

**Department of Transportation
Olympia, Washington 98504**

September 28, 2006

ATTENTION: All Bidders and Planholders

**I-405
SPRINGBROOK CREEK WETLAND AND
HABITAT MITIGATION BANK
A State Project**

Addendum No. 5

The Plans and Specifications for this project are amended as follows:

Plans

1. Plan sheet numbers 3-9, 9A, 22, 28, 33, 34, 37, 51, 57, 62, 63, and 99 have been revised as shaded and noted on the attached Plans.

Specifications

1. The following provision is inserted at Page 65, line 8.

Execution of Contract

Section 1-03.3 is supplemented with the following:

(***)**

Opportunity to Partner

The successful bidder will have the opportunity to enter into a cooperative partnership agreement with the Contracting Agency for this contract. The objective of this agreement is the effective completion of the work, on time, and to the standard of quality that will be a source of pride to both the Contracting Agency and the Contractor. The Springbrook Mitigation Bank project is the first urban mitigation bank in Washington State and is expected to be a "high profile" project, generating much attention from City of Renton, environmental resource agencies and the public as they evaluate the success of the project in accomplishing environmental objectives. The "Partnering" agreement will not affect the terms of the contract. It is intended only to establish an environment of cooperation between the parties.

An initial one day training session is recommended to initiate the partnership agreement. The cost of this training to the Contractor will be approximately \$1,500.00. The Contracting Agency will arrange for training to begin approximately one month after execution of the contract.

Participation in "Partnering" is voluntary and not a requirement of the contract. Therefore the costs associated with "Partnering" should not be included in the bid.

2. The following provision is inserted at Page 67, line 11.

Within 30 days of completion of final grading for each of the five units, the Contractor shall provide the Contracting Agency with a final grading digital terrain model (DTM) for each of the completed units. The DTM shall be provided in both InRoads Version 8.05 and X-Y-Z ASCII file formats, using the project coordinate system (as defined on sheet L1 of the Contract Plans).

3. The following provision is inserted at Page 79, line 21.

The second phase of work at Unit E which includes the planting of the berm and breaches and the necessary approach to those areas shall be the only area allowed to be planted outside of the planting window, as approved by the Engineer.

4. The following provision is inserted at Page 83, line 34.

12. Ecology Blocks on the East side of Unit C

5. The following provision is inserted at Page 83, line 37.

The Contractor shall move the Ecology Blocks on the east side of Unit C, as shown in the Plans, to a location east of the existing Unit C chain link fence and west of Oaksdale Avenue, as approved by the Engineer.

6. On Page 91, line 49 is replaced with the following:

(847) 462-9001

7. On Page 92, line 8 is replaced with the following:

(312) 491-2500

8. The provisions from Page 97, line 51 through Page 98, line 2 are replaced with the following:

The Contractor shall develop a means and method for collecting, treating and disposing of surface water from Unit E in between the two phases of construction to control water levels and protect plants. The treatment and disposal of water shall be in accordance with the permits. Additional permits to be acquired for discharge shall be the responsibility of the Contractor.

9. The following provisions are inserted at Page 102, line 25.

Soil Amendments

Section 8-02.3(6) is supplemented with the following:

(NWR January 17, 2006)

The Contractor shall exercise care when installing soil amendments next to existing vegetation scheduled to remain to prevent damage to the root systems of the existing vegetation during incorporation.

Section 9-14.4 is supplemented with the following:

(NWR March 27, 2006)
Soil Amendments

Soil amendments shall be fine compost.

10. On Page 113, the last sentence of the paragraph on lines 40 and 41 is replaced with the following:

Payment for water used to water plants will be in accordance with Section 8-02.3(13).

Bidders shall furnish the Secretary of Transportation with evidence of receipt of this Addendum. This Addendum will be incorporated in the contract when awarded and when formally executed.

Harold Peterfeso, P.E.
State Design Engineer

Attachments:

Sheets 3-5 of the Plans (Rev. 9/27/06)

Sheets 6-9, 9A, 22, 28, 33, 34, 37, 51, 57, 62, 63, and 99 of the Plans (Rev. 9/25/2006)

SUMMARY OF QUANTITIES

DOT_RGG900

9/27/2006

ITEM NO	TOTAL QUANTITY	SUB-TOTAL * SECTION I-07.2(1) OF STANDARD SPECS	SUB-TOTAL ** SECTION I-07.2(2) OF STANDARD SPECS	STD. ITEM NO.	UNIT	ITEM	GROUP 1 MITIGATION UNIT A	GROUP 1 MITIGATION UNIT B	GROUP 1 MITIGATION UNIT C	GROUP 1 MITIGATION UNIT D	GROUP 1 MITIGATION UNIT E	GROUP 2 TRAIL	GROUP 3 CITY OF RENTON GCA #4894	GROUP 4 THIRD PARTY DAMAGES								
PREPARATION																						
1	LUMP SUM	LUMP SUM		0001	L.S.	MOBILIZATION	L.S.	L.S.	L.S.	L.S.	L.S.		L.S.									
2	LUMP SUM	LUMP SUM			L.S.	MOBILIZATION-FOR TRAIL						L.S.										
3	27.60	27.60		0025	ACRE	CLEARING AND GRUBBING	0.20	0.30	13.80	0.20	12.60	0.50										
4	LUMP SUM	LUMP SUM		0050	L.S.	REMOVAL OF STRUCTURE AND OBSTRUCTION			L.S.		L.S.											
5	60.00	60.00		0100	S.Y.	REMOVING CEMENT CONC. SIDEWALK			50.00			10.00										
6	112.00	112.00		0108	L.F.	REMOVING CEMENT CONC. CURB AND GUTTER			75.00			37.00										
7	22.70	22.70			ACRE	REED CANARYGRASS REMOVAL	9.90	5.70	6.50		0.60											
8	5.00	5.00			ACRE	BLACKBERRY REMOVAL	0.80		3.60		0.60											
9	22.80	22.80			ACRE	SELECTIVE BLACKBERRY REMOVAL	0.50	1.50	19.30	0.10	1.40											
GRADING																						
10	35.00	35.00		0421	C.Y.	GRAVEL BORROW INCL. HAUL						35.00										
11	272160.00	272160.00			C.Y.	WETLAND MITIGATION EXCAVATION INCL HAUL	250.00	350.00	121,890.00		149,670.00											
12	7513.00	7513.00			C.Y.	LOW PERMEABILITY SOIL			7,513.00													
13	10.00	10.00			EACH	EARTHEN DAM			10.00													
DRAINAGE																						
14	21.00	21.00		1030	C.Y.	DITCH EXCAVATION INCL. HAUL				21.00												
15	762.00	762.00		1086	TON	QUARRY SPALLS				8.00	754.00											
16	LUMP SUM	LUMP SUM			L.S.	STOP LOG WEIR STRUCTURE			L.S.													
17	1.00	1.00		1100	EACH	FLARED END SECTION 12 IN. DIAM.				1.00												
STORM SEWER																						
18	1.00	1.00		3091	EACH	CATCH BASIN TYPE 1				1.00												
19	1.00	1.00		3105	EACH	CATCH BASIN TYPE 2 48 IN. DIAM.				1.00												
20	814.00	814.00		3151	L.F.	TESTING STORM SEWER PIPE				814.00												
21	814.00	814.00		3455	L.F.	CL. IV REINF. CONC. STORM SEWER PIPE 12 IN. DIAM.				814.00												
22	LUMP SUM	LUMP SUM			L.S.	STORMWATER DIVERSION STRUCTURE				L.S.												
STRUCTURE																						
23	LUMP SUM	LUMP SUM			L.S.	BOARDWALK STRUCTURE						L.S.										
SURFACING																						
24	364.00	364.00		5057	C.Y.	GRAVEL BASE					364.00											
25	14.00	14.00		5095	C.Y.	CRUSHED SURFACING BASE COURSE			3.00	1.00		10.00										
IRRIGATION AND WATER DISTRIBUTION																						
26	LUMP SUM	LUMP SUM			L.S.	TEMPORARY IRRIGATION SYSTEM	L.S.	L.S.	L.S.	L.S.	L.S.											
EROSION CONTROL AND PLANTING																						
27	260.00	260.00		6403	DAY	ESC LEAD	40.00	40.00	60.00	20.00	80.00	20.00										
28	4290.00	4290.00		6452	S.Y.	PERMANENT EROSION CONTROL BLANKET	820.00	1,160.00			2,310.00											
29	2220.00	2220.00			S.Y.	MODIFIED STABILIZED CONSTRUCTION ENTRANCE	500.00	500.00	500.00	220.00	500.00											
30	5.00	5.00		6469	EACH	TIRE WASH	1.00	1.00	1.00	1.00	1.00											
31	620.00	620.00		6470	HOURL	STREET CLEANING	80.00	80.00	200.00	60.00	200.00											
32	38.00	38.00		6471	EACH	INLET PROTECTION	10.00	18.00	3.00	4.00	3.00											
33	5380.00	5380.00		6373	L.F.	SILT FENCE	1,220.00	1,390.00			2,770.00											

GROUP LEGEND :

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	405	171602	*	WSDOT
2	405	171602	*	CITY OF RENTON
3	405	171602	*	CITY OF RENTON
4	405	171602	*	WSDOT

09/27/06	REVISED QUANTITIES	JML	REGION	STATE	FEDERAL AID PROJECT. NO.	Washington State Department of Transportation	I-405 SPRINGBROOK CREEK WETLAND AND HABITAT MITIGATION BANK	SUMMARY OF QUANTITIES	SQ1
			10	WA					SHEET
				JOB NUMBER					3
				06A805/6					OF
				CONTRACT NO					100
DATE	REVISION	BY	007200						SHEETS

SUMMARY OF QUANTITIES

DOT_RGG900
9/27/2006

ITEM NO	TOTAL QUANTITY	SUB-TOTAL ★ SECTION I-07.2(1) OF STANDARD SPECS	SUB-TOTAL ★★ SECTION I-07.2(2) OF STANDARD SPECS	STD. ITEM NO.	UNIT	ITEM	GROUP 1 MITIGATION UNIT A	GROUP 1 MITIGATION UNIT B	GROUP 1 MITIGATION UNIT C	GROUP 1 MITIGATION UNIT D	GROUP 1 MITIGATION UNIT E	GROUP 2 TRAIL	GROUP 3 CITY OF RENTON GCA #4894	GROUP 4 THIRD PARTY DAMAGES								
34	17320.00	17320.00		6374	L.F.	COMPOST BERM	2,100.00	2,350.00	8,870.00	1,260.00	710.00	2,030.00										
35	22000.00	22000.00		6490	DOL	EROSION/WATER POLLUTION CONTROL	3,300.00	3,300.00	6,500.00	2,400.00	6,500.00											
36	3.10	3.10		6491	ACRE	TEMPORARY SEEDING					3.10											
37	LUMP SUM	LUMP SUM			L.S.	WATER TREATMENT	L.S.	L.S.	L.S.	L.S.	L.S.											
38	2238.00	2238.00		6552	EACH	PSIPE RED ALDER, CONTAINER, 18" TO 36" HT.	485.00	708.00			1,045.00											
39	7018.00	7018.00		6552	EACH	PSIPE OREGON ASH, BARE ROOT, 18" TO 36" HT	1,855.00	899.00	2,618.00	26.00	1,572.00	48.00										
40	1880.00	1880.00		6552	EACH	PSIPE SITKA SPRUCE, #1 CONT. 18" TO 36" HT.	198.00	274.00	884.00	62.00	462.00											
41	7681.00	7681.00		6552	EACH	PSIPE BLACK COTTONWOOD, #1 CONT, 18" TO 36" HT	19.00	13.00	5,128.00		2,521.00											
42	2653.00	2653.00		6552	EACH	PSIPE DOUGLAS FIR, #1 CONT. 18" TO 36" HT.	357.00	593.00	940.00		754.00	9.00										
43	1097.00	1097.00		6552	EACH	PSIPE WESTERN RED CEDAR, #1 CONT. 18" HT.	19.00	13.00	934.00	72.00	59.00											
44	895.00	895.00		6552	EACH	PSIPE WESTERN HEMLOCK, #1 CONT. 18" HT.			805.00	72.00	18.00											
45	1137.00	1137.00		6552	EACH	PSIPE BIG LEAF MAPLE, BARE ROOT, 24" HT	153.00	254.00	403.00		323.00	4.00										
46	4180.00	4180.00		6552	EACH	PSIPE SERVICEBERRY, BARE ROOT, 12" TO 18" HT.	408.00	760.00	2,148.00		844.00	20.00										
47	7215.00	7215.00		6552	EACH	PSIPE RED OSIER DOGWOOD, BARE ROOT, 12" TO 18" HT.			6,130.00	65.00	1,020.00											
48	8504.00	8504.00		6552	EACH	PSIPE RED OSIER DOGWOOD, 40 CUBIC INCH CONT.	4,590.00	2,215.00			1,495.00	204.00										
49	524.00	524.00		6552	EACH	PSIPE BEAKED HAZEL, BARE ROOT, 12-18" HT.	51.00	95.00	269.00		106.00	3.00										
50	4180.00	4180.00		6552	EACH	PSIPE OCEANSPRAY, BARE ROOT, 12-18" HT.	408.00	760.00	2,148.00		844.00	20.00										
51	4253.00	4253.00		6552	EACH	PSIPE BLACK TWINBERRY, BARE ROOT, 12-18" HT.			2,548.00		1,705.00											
52	6267.00	6267.00		6552	EACH	PSIPE PACIFIC NINEBARK, BARE ROOT, 12-18" HT.	114.00	78.00	3,640.00		2,435.00											
53	13233.00	13233.00		6552	EACH	PSIPE NOOTKA ROSE, BARE ROOT, 12-18" HT.			8,883.00		4,350.00											
54	5346.00	5346.00		6552	EACH	PSIPE PEAFRUIT WILD ROSE, BARE ROOT, 12-18" HT.			5,229.00	117.00												
55	15180.00	15180.00		6552	EACH	PSIPE PEAFRUIT WILD ROSE, 40 CUBIC INCH CONT.	8,262.00	3,987.00			2,691.00	240.00										
56	1794.00	1794.00		6552	EACH	PSIPE PACIFIC WILLOW 36" HT., LIVE STAKE 1.5" DIA. MAX			581.00	13.00	1,200.00											
57	1660.00	1660.00		6552	EACH	PSIPE PACIFIC WILLOW, 40 CUBIC INCH CONT.	918.00	443.00			299.00											
58	7688.00	7688.00		6552	EACH	PSIPE SCOULER'S WILLOW, 36" HT., LIVE STAKE 1.5" DIA. MAX	102.00	149.00	5,483.00		1,954.00											
59	6535.00	6535.00		6552	EACH	PSIPE SNOWBERRY, BARE ROOT, 18" HT.	918.00	1,505.00	2,148.00		1,944.00	20.00										
60	10827.00	10827.00		6552	EACH	PSIPE SITKA WILLOW, 36" HT., LIVE STAKE 1.5" DIA. MAX			8,288.00	104.00	2,435.00											
61	13484.00	13484.00		6552	EACH	PSIPE SITKA WILLOW, 40 CUBIC INCH CONT.	7,344.00	3,544.00			2,392.00	204.00										
62	16.00	16.00		6552	EACH	PSIPE BEAKED SEDGE, 10 CUBIC INCH			16.00													
63	10.00	10.00		6552	EACH	PSIPE COMMON SPIKE RUSH, 10 CUBIC INCH			10.00													
64	8.00	8.00		6552	EACH	PSIPE AMERICAN MANNAGRASS, 10 CUBIC INCH			8.00													
65	16.00	16.00		6552	EACH	PSIPE SMALL FRUITED BULL RUSH, 10 CUBIC INCH			16.00													
66	615700.00	615700.00		6606	DOL	PLANT ESTABLISHMENT - SECOND YEAR	46,600.00	31,760.00	167,690.00	7,630.00	53,170.00	2,000.00	306,850.00									
67	529740.00	529740.00		6608	DOL	PLANT ESTABLISHMENT - THIRD YEAR	40,780.00	27,790.00	143,730.00	6,000.00	45,570.00	2,000.00	263,870.00									
68	10569.00	10569.00		6530	C.Y.	SOIL AMENDMENT	68.00	98.00	5,305.00		5,098.00											
69	23618.00	23618.00		6580	C.Y.	BARK OR WOOD CHIP MULCH	4,530.00	3,150.00	10,043.00	52.00	5,726.00	117.00										
70	36.00	36.00			EACH	VERTICAL SNAG	4.00	10.00	9.00		13.00											
71	32.00	32.00			EACH	ANCHOR LOG					32.00											
72	32.00	32.00			EACH	HUMMOCK PLANTING	19.00	13.00														
73	29.00	29.00			EACH	BRUSH PILE	7.00	6.00	14.00	2.00												
74	57.00	57.00			EACH	LOG	12.00	17.00	28.00													
						TRAFFIC																
75	110.00	110.00		6700	L.F.	CEMENT CONC. TRAFFIC CURB AND GUTTER			75.00			35.00										
76	17.00	17.00		6707	L.F.	CEMENT CONC. PEDESTRIAN CURB						17.00										
77	112.00	112.00		6857	S.F.	PLASTIC CROSSWALK LINE						112.00										
78	LUMP SUM	LUMP SUM		6890	L.S.	PERMANENT SIGNING						L.S.										
79	LUMP SUM	LUMP SUM		6971	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	L.S.	L.S.	L.S.	L.S.											
80	LUMP SUM	LUMP SUM			L.S.	PROJECT TEMPORARY TRAFFIC CONTROL-FOR TRAIL						L.S.										

GROUP LEGEND :	GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
	1	405	171602	*	WSDOT
	2	405	171602	*	CITY OF RENTON
	3	405	171602	*	CITY OF RENTON
	4	405	171602	*	WSDOT

09/27/06	REVISED QUANTITIES	JML	REGION	STATE	FEDERAL AID PROJECT. NO.	Washington State Department of Transportation	I-405 SPRINGBROOK CREEK WETLAND AND HABITAT MITIGATION BANK	SQ2
			10	WA				
			JOB NUMBER					
			06A805/6					
			CONTRACT NO					
DATE	REVISION	BY	007200				SUMMARY OF QUANTITIES	SHEET 4 OF 100 SHEETS

SUMMARY OF QUANTITIES

DOT_RGG900

9/27/2006

[illegible]

GROUP LEGEND :	GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
	1	405	171602	*	WSDOT
	2	405	171602	*	CITY OF RENTON
	3	405	171602	*	CITY OF RENTON
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09/27/06	REVISED QUANTITIES	JML	REGION	STATE	FEDERAL AID PROJECT. NO.	Washington State Department of Transportation	I-405 SPRINGBROOK CREEK WETLAND AND HABITAT MITIGATION BANK	SQ3
			10	WA				
			JOB NUMBER 06A805/6					
			CONTRACT NO 007200					
DATE	REVISION	BY						SUMMARY OF QUANTITIES

LEGEND

EXISTING	TO BE CONSTRUCTED	DESCRIPTION
		CITY LIMIT
		RIGHT OF WAY
		PROPERTY LINE
		EASEMENT LINE
		MONUMENT
		POLE ANCHOR
		UTILITY POLE
		FENCING
		WETLAND
		TREE LINE
		BRUSH LINE
		SILT FENCE
		COMPOST BERM
		HIGH VISIBILITY CONSTRUCTION FENCING
		REMOVE AND REINSTALL CHAINLINK FENCE
		DRAINAGE NOTE
		DRAINAGE STRUCTURE
		CULVERT
		DITCH
		BIOFILTRATION SWALE
		GRATE INLET
		MANHOLE OR OUTLET RISER
		QUARRY SPALLS OR RIPRAP
		CATCH BASIN FLOW LINE
		DIRECTION OF FLOW
		CUT
		FILL
		MAJOR CONTOUR WITH ELEVATION LABEL
		MINOR CONTOUR
		TIMBER LIGHT STANDARD
		METAL LIGHT STANDARD
		ORDINARY HIGH WATER MARK
		200' SHORELINE ZONE
		LOW FLOW CHANNEL
		CONCRETE

EXISTING	TO BE CONSTRUCTED	DESCRIPTION
		GAS PIPE LINE
		WATER LINE
		SANITARY SEWER
		BURIED POWER LINE
		OVERHEAD POWER
		BURIED TELEPHONE
		OVERHEAD TELEPHONE
		BURIED TELEVISION CABLE
		OVERHEAD TELEVISION CABLE
		STORM DRAIN
		VAULT
		ELECTRICAL BOX
		UTILITY BOX
		FIRE HYDRANT
		VALVE BOX
		GUIDE POST, SEE PROJECT STANDARD PLANS
		GUIDE POST, SEE PROJECT STANDARD PLANS
		ROCK WALL
		TREE
		SIGN
		VERTICAL SNAG
		ANCHOR LOG/ LOG
		HUMMOCK PLANTING
		BRUSH PILE
		EXISTING PIEZOMETER
		SOIL BORING
		EXISTING STRUCTURE AND OBSTRUCTION

DRAINAGE NOTES EXAMPLE

PLAN

DRAINAGE STRUCTURE NOTE AND STRUCTURE NUMBER

PROFILE

STRUCTURE NUMBER
GRD1 REFERENCE SHEET NUMBER

WETLAND MITIGATION PLANTING PLAN LEGEND

TO BE CONSTRUCTED	DESCRIPTION
	WETLAND TREE/SHRUB #1
	WETLAND TREE/SHRUB #2
	WETLAND TREE/SHRUB #3
	RIPARIAN UPLAND PLANTING
	WETLAND FOREST UNDER-PLANTING
	UPLAND PLANTING
	EMERGENT PLANTING

ABBREVIATIONS

AC	ACRE
A.S.N.S.	AMERICAN ASSOCIATION OF NURSERYMEN
B & B	BALLED & BURLAPPED
BR	BARE ROOT
CB	CATCH BASIN
CB1	CATCH BASIN 1 FLOW LINE
CONT.	CONTAINER
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CONC.	CONCRETE
CPEP	CORRUGATED POLYETHYLENE PIPE
CSBC	CRUSHED SURFACING BASE COURSE
CY	CUBIC YARDS
DIA.	DIAMETER
DI	DUCTILE IRON
EA	EACH
EX	EXISTING
FT.	FOOT/FEET
FL	FLOW LINE
HRD	HAUL ROAD
HVCF	HIGH VISIBILITY CONSTRUCTION FENCE
IN	INCH
IE	INVERT ELEVATION
INCL'D	INCLUDE(D)
LB	POUNDS
LF	LINER FEET

SITE PREPARATION AND TESC PLAN LEGEND

TO BE CONSTRUCTED	DESCRIPTION
	BLACKBERRY REMOVAL
	SELECTIVE BLACKBERRY REMOVAL
	CLEARING AND GRUBBING
	REED CANARY GRASS REMOVAL
	MODIFIED STABILIZED CONSTRUCTION ENTRANCE AND TIRE WASH

MONUMENT TABLE					
SURVEY MONUMENT ID	NORTHING	EASTING	DESCRIPTION	ELEVATION	
897	(CP17405-64)	492115.59	1625897.19	SURVEY CONTROL INFORMATION	50.512'
1386	(GP17167-93)	501844.07	1624671.27	SURVEY CONTROL INFORMATION	52.218'

NOTE: ALL COORDINATES ARE SHOWN IN PROJECT COORDINATE SYSTEM WITH A SCALE FACTOR=1.00001004, AN ELEVATION FACTOR=1.00000255, ON A COMBINED SCALE FACTOR=1.000012588.
PROJECT COORDINATE NORTHING = (y/cf)+100000
PROJECT COORDINATE EASTING = (x/cf)+100000
WHERE X AND Y ARE WASHINGTON STATE PLANE NAD 83/91



(NAVD) 88

FILE NAME PW:\Engineering\010\drawings\sheets\10pp012a021z_101.dgn

TIME 5:27:57 PM	REVISED DATUM NOTE	09/25/06	RF	REGION NO.	STATE	FED.AID PROJ.NO.
DATE 9/27/2006				10	WASH	
PLOTTED BY chriss				JOB NUMBER		
DESIGNED BY A. DEGUZMAN				06A805		
ENTERED BY A. DEGUZMAN				CONTRACT NO.		
CHECKED BY R. FENTON						LOCATION NO.
PROJ. ENGR. R. FENTON						
REGIONAL ADM. D. DYE	REVISION	DATE	BY			

P.E. STAMP BOX

P.E. STAMP BOX



I-405
SPRINGBROOK CREEK WETLAND AND
HABITAT MITIGATION BANK

GENERAL LEGEND

L1

SHEET
6
OF
118
SHEETS

ENVIRONMENTAL COMPLIANCE NOTES						
SHEET REFERENCE NOT USED	SITE CODE NOT USED	NOTE NUMBERS NOT USED	NOTES	NOTES	NOTES	
			CONTRACTOR REQUIREMENTS: APPLIES TO ALL WORK 1. Construction materials, vehicles and equipment shall not be allowed to be stockpiled or stored within any existing sensitive areas and waters of the state, including wetlands, wetland buffers, streams and creeks, and stream and creek buffers, at any time during the life of this contract. 2. Discharge of petroleum products, hydraulic fluid, fresh cement, sediment-laden water, chemicals, or any other toxic or deleterious materials leaching or entering into waters of the state, including wetlands, streams, creeks, and jurisdictional ditches, is prohibited. Any discharge of this kind shall be reported to the Engineer immediately.	8. Equipment used for this project shall be free of external petroleum-based products while working around the stream. Accumulation of soils or debris shall be removed from the drive mechanisms (wheels, tires, tracks, etc.) and undercarriage of equipment prior to its working below the OHWM. Equipment shall be checked daily for leaks and any necessary repairs shall be completed prior to commencing work activities along the stream. 9. Work hours for hauling in right-of-way are weekdays, 8:30 am to 3:30 pm, Saturday by approval only and no Sundays. Construction hours: 7:00 am to 10:00 pm. Any changes to work hours shall have prior approval from the City of Renton. 1. Water Quality 1a. There shall be no visible sheen from petroleum products in the receiving water as a result of construction activities. 1b. The Contractor shall ensure that construction debris and excess sediment shall be prevented from entering waters of the state. 1c. Prior to the discharge of stormwater and non-stormwater to waters of the state, the Contractor shall apply all known, available, and reasonable methods of prevention, control, and treatment (AKART). This includes the preparation and implementation of an adequate Stormwater Pollution Prevention Plan (SWPPP) which is a combination of the WSDOT TESC and SPCC Plans, with all appropriate BMPs installed and maintained in accordance with the SWPPP and the terms and conditions of the National Pollutant Discharge Elimination System (NPDES) permit. 1d. Site inspections shall include all areas disturbed by construction activities, all BMPs, and all stormwater discharge points. Stormwater shall be visually examined for the presence of suspended sediment, turbidity, discoloration, and oil sheen. Inspectors shall evaluate the effectiveness of BMPs and determine if it is necessary to install, maintain, or repair BMPs to improve the quality of stormwater discharges. Based on the results of the inspection, the Contractor shall correct the problems identified as follows: a) review the SWPPP and make appropriate revisions within seven (7) days of the inspection; b) fully implement and maintain appropriate source control and/or treatment BMPs as soon as possible, but no later than ten (10) days of the inspection; and c) document BMP implementation and maintenance in the site log book. 1e. The site inspections shall be conducted at least once every calendar week and within 24 hours of any discharge from the site. The inspection frequency for temporarily stabilized, inactive sites may be reduced to once every calendar month with approval of the Engineer. 1f. Site inspections shall be conducted by a person who is knowledgeable in the principles and practices of erosion and sediment control. The inspector shall have the skills to assess the site conditions and construction activities that could impact the quality of stormwater, and assess the effectiveness of erosion and sediment control measures used to control the quality of stormwater discharges.	1g. If discharge turbidity is greater than 25 NTU, but less than 250 NTU, the Certified Erosion and Sediment Control Lead (CESCL) shall: a) review the SWPPP and make appropriate revisions within seven (7) days of the discharge that exceeded the benchmark; b) fully implement and maintain appropriate source control and/or treatment BMPs as soon as possible, but within ten (10) days of the discharge that exceeded the benchmark; and c) document BMP implementation and maintenance in the site log book. 1h. If discharge turbidity is greater than or equal to 250 NTU, the CESCL shall: a) confirm with WSDOT that they will notify WSDOE by phone within 24 hours of analysis; b) review the SWPPP and make appropriate revisions within seven (7) days of the discharge that exceeded the benchmark; c) fully implement and maintain appropriate source control and/or treatment BMPs as soon as possible, but within ten (10) days of the discharge that exceeded the benchmark; d) document BMP implementation and maintenance in the site log book; and e) continue to sample discharges daily until turbidity is 25 NTU (or lower), or the CESCL has demonstrated compliance with the water quality standard for turbidity (no more than 5 NTU over background turbidity if background is less than 50 NTU, or no more than 10% over background turbidity if background is 50 NTU or greater), or the discharge stops or is eliminated. 1j. The Contractor shall monitor pH in the sediment trap/pond(s) or other locations that receive stormwater runoff from the area of significant concrete work or engineered soils prior to discharge to surface waters. 1k. The benchmark value for pH is 8.5 standard units. Any time sampling indicates that pH is 8.5 or greater, the Contractor shall: a) prevent the high pH water (8.5 or above) from entering storm sewer systems or surface waters; and b) if necessary, adjust or neutralize the high pH water using an appropriate treatment BMP such as CO ₂ sparging or dry ice. The Contractor shall obtain written approval from WSDOE prior to using any form of chemical treatment other than CO ₂ sparging or dry ice. 1l. Streets shall be kept clean at all times. Truck washing and other measures approved are required for the duration of the project. Provide whatever measures necessary for cleanup and dust control during work hours and at night. 1m. Geared-mechanisms of equipment used for this project may operate below the OHWM in the excavated breaches in Unit E, but above the water level. 1n. Equipment crossings of the stream are not authorized. 1o. Wastewater from project activities and water removed from within the work area shall be routed to an area landward of the OHWM approved by the appropriate regulatory authority to allow removal of fine sediment and other contaminants prior to being discharged to the stream. 1p. If high flow conditions that may cause siltation are encountered during this project, work shall stop until the flow subsides. 1q. Turbid dewatering water shall not be discharged directly to waters of the state. Turbid dewatering water shall be routed to an upland area for on-site settling or off-site disposal. The discharge from the upland areas shall meet the water quality criteria at the point of discharge.	
GENERAL NOTES: The information on the ECN sheets are derived from the regulatory approval. The Contractor shall abide by the approvals to be in compliance with the legal regulations. The Contractor shall contact the Engineer and the Engineer will contact the resource agency regarding approval issues unless otherwise directed by the Engineer. See ECN sheets for regulatory compliance for all work. #Permit/Approval Reference Regulatory Agencies and Permit WSDOE - WASH. STATE DEPT. OF ECOLOGY -IMPLEMENTING AGREEMENT between WSDOE & WSDOT Regarding Compliance with the state of Washington Surface Water Quality Standards, February, 1998. USCOE - US ARMY CORPS OF ENGINEERS Section 404 Permit Regarding placement of fill in wetlands, August 2006 WSDOE - WASH. STATE DEPT. OF ECOLOGY Water Quality Certification (Section 401) Regarding protection of wetlands, August 2006 WSDOE - WASH. STATE DEPT. OF ECOLOGY NPDES (Section 402) Regarding discharge stormwater associated with construction activities, May 2006 WDFW - WASHINGTON DEPARTMENT OF FISH AND WILDLIFE Hydraulic Project Approval (HPA) Regarding construction activity in or near open water, June 2006 KCDD - KING COUNTY DRAINAGE DISTRICT #1 Permit and Temporary Construction Easement Regarding construction activities on property owned by KCDD, June 2006			*APPLIES TO WORK IN AND NEAR WATERS OF THE STATE General Conditions: 1. Discharges shall not cause or contribute to a violation of surface water quality standards (Chapter 173-201A WAC), ground water quality standards (Chapter 173-200 WAC), sediment management standards (Chapter 173-204 WAC), and human health-based criteria in the National Toxics Rule (40 CFR Part 131.36). Discharges that are not in compliance with these standards are not authorized. Failure to comply with the state's water quality standards may result in the issuance of civil penalties or other actions, whether administrative or judicial. 2. For work in or near the water, compliance with water quality standards shall be presumed, unless discharge monitoring data or other site specific information demonstrates that a discharge causes or contributes to a violation of water quality standards, when the Contractor is: a) in full compliance with all permit conditions, including planning, sampling, monitoring, reporting, and recordkeeping conditions; and b) fully implementing stormwater best management practices (BMPs) contained in stormwater management manuals published or approved by WSDOE, or BMPs that are demonstrably equivalent to BMPs contained in stormwater technical manuals published or approved by WSDOE, including the proper selection, implementation, and maintenance of all applicable and appropriate BMPs for on-site pollution control. 3. Prior to the start of work, the Contractor shall review the conditions of the WSDOE & WSDOT Implementing Agreement with the Engineer. A copy of the Implementing Agreement shall be located at the job site at all times during construction. The Contractor shall provide the Engineer a signed statement documenting that he has read, understands and shall abide by the conditions of this Implementing Agreement. 4. Timing Limitations: Work below the ordinary high water mark (OHWM) may occur only between June 15 and September 30 annually. 5. No in-water work shall occur in Springbrook Creek. 6. No root wads shall be placed below the existing OHWM on Unit E. All root wads shall be anchored. 7. If the Contractor discovers any previously unknown historic or archeological remains while accomplishing the activity authorized by the regulatory agencies/permits, the Contractor must immediately notify WSDOT. The Contractor shall perform any work required by the Corps in accordance with Section 106 of the National Historic Preservation Act and Corps regulations.			
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TIME 5:25:38 PM DATE 9/27/2006 PLOTTED BY chriss DESIGNED BY B. PETERSON ENTERED BY C. SAXE CHECKED BY R. FENTON PROJ. ENGR. R. FENTON REGIONAL ADM. D. OYE	LISTED PERMITS REVISED NOTES	09/06/06 RF 09/25/06 RF	REVISION DATE BY	FED.AID PROJ.NO.	I-405 SPRINGBROOK CREEK WETLAND AND HABITAT MITIGATION BANK ENVIRONMENTAL COMPLIANCE NOTES	ECN1 SHEET 7 OF 118 SHEETS
				JOB NUMBER 06A805 CONTRACT NO. LOCATION NO.	Washington State Department of Transportation	

ENVIRONMENTAL COMPLIANCE NOTES											
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						2a. All cement concrete shall be poured in the dry, or within confined waters not being dewatered to surface waters, and shall be allowed to cure a minimum of seven (7) days before contact with water. The waters of the state shall not come in contact with the concrete structure while the concrete is curing. Any dewatering required from a contained area with curing concrete shall be discharged to land with no possible entry to surface waters. If the project occurs in a location that has a municipal sanitary sewer system and no land is available for biofiltration, discharge shall be to the sanitary sewer. The Contractor shall contact the local sewer authority prior to any discharge.		3m. On Unit E, no berms are to be breached until the grading and excavation work within each unit landward of the berms is completed. Breaching to occur during summer low flows.		5a. Any spill of fuel, oil, hydraulic fluid, solvents, paint, stored chemicals, toxic or hazardous materials into the ground, drainage structures, or into surface waters of the state shall be reported to the Engineer immediately. Containment and clean-up efforts shall begin immediately and be in accordance with the approved Spill Prevention, Control, and Countermeasures Plan, as specified in Section 1-07.15(1) of the Standard Specifications. All other work in the effected area shall be stopped until all clean up of the spill is completed. Containment and clean up shall take precedence over normal work activities. Normal work activities within the immediate spill area shall be stopped until the contents, clean up and disposal methods are completed as approved by the Engineer.	
						3. Erosion Control		3a. Alteration or disturbance of the bank of Springbrook Creek and Springbrook Creek bank vegetation shall be limited to that necessary to construction the project. The Contractor shall ensure that no soils remain exposed and unworked for more than the time periods set forth below to prevent erosion: during the dry season (May 1-September 30): seven (7) days; during the wet season (October 1-April 30): two (2) days. Within one (1) year of project completion, the banks above the OHWM shall be shall be revegetated with native or other approved woody species. Vegetative cuttings shall be planted at a maximum interval of four (4) feet on center and maintained as necessary for three (3) years to ensure 80% survival.		6. Ditch and Culvert Cleaning	
						3a. The Contractor shall perform periodic inspection and maintenance of all erosion control structures and shall be conducted at a minimum every seven (7) days. Additional inspections shall be conducted prior to and after expected rainfall events to ensure erosion control measures are in working condition. Any damaged structures shall be immediately repaired. If it is determined at the inspection that additional BMP measures are needed to control stormwater and erosion, they shall be implemented immediately.		4. Hazardous Spill Prevention and Control		6a. Ditch and culvert cleaning activities shall take place when the ditch or culvert does not contain water whenever possible. If the ditch or culvert has flowing water that discharges to surface waters of the state at the time of the cleaning activity, temporary sediment traps shall be used to control turbid water created by the activity.	
						3b. Erosion control methods shall be used to prevent silt-laden water from entering the stream. These may include, but are not limited to, straw bales, filter fabric, temporary sediment ponds, check dams of pea gravel-filled burlap bags or other material, and/or immediate mulching of exposed areas. All erosion control methods shall be installed before ground disturbance and grading commences.		4a. Equipment, chemical storage tanks and any hazardous materials (fuels, oil, oil drums, grease or any toxic materials) used during construction shall be serviced, fueled, maintained and stored on upland areas only, with a minimum distance of 50 feet from any sensitive area and any surface waters of the state. All stationary equipment, storage of toxic materials, gas and oil containers, and fueling service areas shall be provided with spill containment as approved by the Engineer and as specified by Section 1-07.15(1) Spill Prevention, Control and Countermeasures Plan of the Standard Specifications. Spill containment for these items shall consist of dikes (raised physical boarder containment) and be located on impervious surfaces to prevent spills into ground or surface waters of the state.		6b. All material excavated from roadside ditches or streams shall be completely removed and disposed of at an upland location. No material shall be side cast into adjacent wetlands, sensitive areas, or other waters of the state.	
						3c. All temporary conveyance channels and pipe outlets shall be stabilized to prevent erosion.		4b. Care shall be taken to ensure that no petroleum products, hydraulic fluid, fresh cement, sediments, sediment-laden water, chemicals, or any other toxic or deleterious materials are allowed to enter or leach into the stream.		6c. If material is placed on the upland to dewater, it shall be contained or placed in such a way that the runoff shall not flow into nearby storm drains, or water bodies, including wetlands and sensitive areas occurring adjacent to the ditch. Any flow of slurry water shall be controlled to reduce suspended sediment levels not exceeding state established water quality standards, prior to discharge back into any adjacent water body.	
						3d. All storm drain inlets that receive flow from the project shall be protected from sediment.		4c. The discharge of oil, fuel or chemicals to waters of the state, or onto land with a potential for entry into state waters, is prohibited.		7. Maintenance of Stormwater Control and Treatment Structures.	
						3e. All construction access routes that are subject to water or wind erosion shall be stabilized.		4d. No emulsifiers or dispersants are to be used in waters of the state without written approval from the WSDOE Regional Office.		7a. Cleaning of stormwater conveyance systems (catch basins, piping, vaults, detention/retention ponds) by use of vactor or eductor systems shall be performed to minimize discharge of turbid water. Accumulated sediments from vactor or eductor cleaning operations shall be disposed at appropriate locations. Decanting of the liquid portion of vactor wastes in the field shall be handled in the following manner:	
						3f. All temporary BMPs and accumulated sediments shall be removed or stabilized immediately after final site stabilization and completion of the contract.		4e. No cleaning solvents or chemicals utilized for tool or equipment cleaning may be discharged to the ground or to waters of the state.		1). Decant water shall be disposed to municipal decant stations and/or sanitary sewers where the Contractor has approval for use.	
						3g. Under no circumstances shall free fall dumping of fill material occur in or next to any water body unless control structures are in place to prevent sediment from directly entering the water body.		4f. Waste liquids shall be stored under cover, such as tarpaulins or roofs.		2). In cases where approval to use municipal facilities has not been granted, collected screenings, grit, solids, sludges, filter back wash, or other pollutants removed in the course of the cleaning of stormwater conveyance systems shall not be discharged or be allowed to entered into waters of the state.	
						3h. The Contractor shall not use any lumber treated with creosote or other protective material on the site.		4g. Fuel hoses, oil drums, oil or fuel transfer valves and fittings, etc., shall be checked daily for drips or leaks, and shall be maintained and stored properly to prevent spills into waters of the state. All staging and storage sites containing equipment, fuel, oil, or any other toxic or hazardous materials shall be secured within fencing and locked gates, as submitted to the the Engineer.		3). Decant from street waste vehicles resulting from cleaning stormwater facilities may be reintroduced only when other practical means are not available and only then to catch basins remote from the discharge point to waters of the state. Other allowable means include letting the material settle for a minimum of 30 minutes prior to discharge to either the ground with no discharge to surface water, or discharge upstream of a detention pond. When discharging to catch basins, the Contractor shall meet all other treatment and handling conditions in the NPDES stormwater permit (as applicable) and the temporary erosion and sediment control (TESC) Plans.	
						3i. No existing soils in the King County Drainage District right of way shall be raised. If riprap is to be added, soils must be excavated prior to riprap placement to ensure that riprap is no higher than existing soils.		4h. The Contractor is responsible for concentrated waste or spilled chemicals and the Contractor shall transport off site for disposal at a facility approved by the WSDOE or appropriate County Health Department. These materials shall not be discharged to a sewer without approval of the local sewer authority.		7b. Cleaning of stormwater treatment ponds or swales shall be performed when there is not a possibility of a discharge from the pond for at least 24 hours.	
						3j. Material used to construct road approaches to the site shall be of clean composition and placed in a manner to prevent erosion and tracking out of the material off site.		4i. All waste material such as construction debris, silt, excess dirt, or overburden resulting from this project shall be deposited above the limits of flood water in an upland disposal site approved by the appropriate regulatory authority.			
						3k. A separate area shall be set aside, that does not have any possibility of draining to surface waters, for the wash out of concrete delivery trucks, pumping equipment, and tools.					
3l. The Contractor's designated CESL Lead shall be on call seven (7) days a week and 24 hours a day and available to be on site during heavy rainfall, and at all times while construction activities are occurring that may affect the quality of ground or surface waters of the state, especially during heavy rain conditions.											

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PLOTTED BY chriss						JOB NUMBER					
DESIGNED BY B. PETERSON						06A805					
ENTERED BY C. SAXE						CONTRACT NO.				LOCATION NO.	
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PROJ. ENGR. R. FENTON											
REGIONAL ADM. D. DYE											
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DATE		P.E. STAMP BOX		DATE		P.E. STAMP BOX		INTERSTATE 405 Corridor Program Washington State Department of Transportation		I-405 SPRINGBROOK CREEK WETLAND AND HABITAT MITIGATION BANK		ECN2	
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NOT USED	NOT USED	NOT USED	<p>7c. If upon inspection of a stormwater facility, the water appears excessively oily, exhibits an unusual color or odor, or if staining or corrosion is observed, illicit dumping may be the cause and the storm water facility shall not be disposed or discharged until a characterization of the water can be performed to determine the presence of toxic or hazardous contaminants. Should these conditions be observed during wet weather, the material may need to be removed and stored for characterization to prevent a discharge to and degradation of waters of the state. Proper disposal options will be determined based on the characterization. If there is a likely source of contamination nearby that may be causing any observed problems, contact the Engineer immediately to report the information.</p> <p>7d. Material placed on the upland to dewater shall be contained or placed in such a way that the runoff will not flow directly into adjacent storm drains or water bodies, including wetlands occurring adjacent to the ditch. Any flow of slurry water shall be controlled to reduce suspended sediment levels prior to discharging back into any adjacent water body. This return water shall not exceed the water quality standards.</p> <p>HYDRAULIC PROJECT APPROVAL (HPA)-SPECIFIC CONDITIONS</p> <p>8. General Conditions</p> <p>8a. If at any time, as a result of project activities, fish are observed in distress, a fish kill occurs, or water quality problems develop (including equipment leaks or spills), the Contractor shall immediately notify the Engineer. The Engineer will notify Ecology and the WDFW Area Habitat Biologist.</p> <p>8b. Prior to releasing the water flow to the project area, all excavation work and soil stabilization and bank protection or armoring shall be completed.</p> <p>8c. Upon completion of the project, all material used in the temporary bypass shall be removed from the site and the site returned to pre-project or improved conditions.</p> <p>8d. The final excavation of the connection of the new backwater wetland and channel to the stream shall occur in isolation from the flowing stream within a temporary water bypass or coffer dam structure constructed of clean materials (gravel bags, sheeting, etc.).</p> <p>8e. The bottom of the new backwater channel shall be near the streambed level that exists at the confluence with the stream. The backwater channel and the graded areas adjacent to the backwater channel shall slope continually to the backwater channel and the stream, to prevent fish stranding fluctuating high flow events.</p> <p>8f. Upon completion of the excavation for the new backwater channel and adjacent wetland areas, these areas shall contain no pits, potholes, or large depressions to avoid stranding of fish during fluctuating high flows.</p>	<p>CORP 404 AND ECOLOGY 401 SPECIFIC CONDITIONS</p> <p>Special Conditions</p> <p>Prior to clearing, grading, or construction work for the project, all wetland areas where no grading will occur shall be clearly marked to outline the grading and fill footprints so that no impacts will occur to wetlands adjacent to the constructed areas.</p> <p>WATER QUALITY CERTIFICATION CONDITIONS</p> <p>General Conditions</p> <p>1. Copies of the 401 Water Quality Certification Conditions shall be kept on the job site and readily available for reference by Ecology personnel, the construction superintendent, construction managers and lead workers, and state and local government inspectors.</p> <p>2. The Contractor shall provide access to the project site upon request by Ecology personnel for site inspections, monitoring, necessary data collection, and/or to ensure that conditions of the 401 Water Quality Certification Conditions are being met.</p> <p>3. The Contractor shall ensure that all appropriate contractors at the project site have read and understand relevant conditions of the 401 Water Quality Certification Conditions and all permits, approvals, and documents referenced in the 401 Water Quality Certification Conditions. The Contractor shall provide the Engineer a signed statement from each contractor that they have read and understand the conditions of the 401 Water Quality Certification Conditions and the above-referenced permits, plans, documents and approvals. These statements must be provided by the Engineer to Ecology before construction begins at the project.</p> <p>Notification Requirements</p> <p>1. The Contractor shall notify the Engineer for the following activities:</p> <ul style="list-style-type: none">a. At least 14 days prior to the pre-construction meeting;b. At least 14 days prior to the onset of initiating work on the project site;c. At least 18 days prior to the placement of fill in any waters of the state, including wetlands;d. At least 8 days prior to initiating work on each Unit (Units A, B, C, D, and E);e. At least 8 days prior to initial breaching of the berms on Units A and B;f. At least 8 days prior to opening the connections to Springbrook Creek on Unit E;g. Within 18 days after completion of final grading on each Unit;h. Immediately via phone or email following a violation of state water quality standards or conditions of this Order.	<p>Water Quality Standards Conditions</p> <p>1. Springbrook Creek is classified as a Class A water of the state. Certification of this proposal does not authorize the Contractor to exceed applicable state water quality standards (Chapter 173.201A WAC) or sediment quality standards (Chapter 173-204 WAC). Water quality criteria contained in WAC 173-201A-030(1) and WAC 173-201A-040 shall apply to this project, unless otherwise authorized by Ecology.</p> <p>2. Nothing in the 401 Water Quality Certification shall absolve the Contractor from liability for contamination and any subsequent cleanup of surface waters or sediments occurring as a result of project construction or operations.</p> <p>3. Springbrook Creek has been identified on the current 303(d) list as exceeding state water quality standards for dissolved oxygen and fecal coliform. This proposed project shall not result in further exceedances of water quality standards.</p> <p>Water Quality Monitoring</p> <p>1. For the Water Quality Monitoring Plan, the Contractor shall prepare:</p> <ul style="list-style-type: none">a. A description of the Best Management Practices (BMPs) that will be used on the project to protect water quality, including a description of procedures for breaking the berms on Unit A and B, connecting Unit E to Springbrook Creek, installing the new drainage conveyance pipe in the wetland on Unit D, and installing the weir on Unit C;b. Project activities that shall be monitored (i.e. turbidity for in-water work and pH for concrete). <p>Activities that are required to be monitored are not authorized to be conducted until approval is received from Ecology.</p> <p>2. If WSDOT's monitoring results show that water quality standards are not being met, the Contractor shall modify or stop the activity causing the problem until WSDOT notifies the Contractor to resume activities.</p>																																																																					
<p>GENERAL NOTES: The information on the ECN sheets are derived from the regulatory approval. The Contractor shall abide by the approvals to be in compliance with the legal regulations. The Contractor shall contact the Engineer and the Engineer will contact the resource agency regarding approval issues unless otherwise directed by the Engineer. See ECN sheets for regulatory compliance for all work.</p> <p>*Permit/Approval Reference Regulatory Agencies and Permit</p> <p>WSDOE - WASH. STATE DEPT. OF ECOLOGY -IMPLEMENTING AGREEMENT between WSDOE & WSDOT Regarding Compliance with the state of Washington Surface Water Quality Standards, February, 1998.</p> <p>USCOE - US ARMY CORPS OF ENGINEERS Section 404 Permit Regarding placement of fill in wetlands, August 2006</p> <p>WSDOE - WASH. STATE DEPT. OF ECOLOGY Water Quality Certification (Section 401) Regarding protection of wetlands, August 2006</p> <p>WSDOE - WASH. STATE DEPT. OF ECOLOGY NPDES (Section 402) Regarding discharge stormwater associated with construction activities, May 2006</p> <p>WDFW - WASHINGTON DEPARTMENT OF FISH AND WILDLIFE Hydraulic Project Approval (HPA) Regarding construction activity in or near open water, June 2006</p> <p>KCDD - KING COUNTY DRAINAGE DISTRICT #1 Permit and Temporary Construction Easement Regarding construction activities on property owned by KCDD, June 2006</p>																																																																										
<p>FILE NAME PW:\Engineering\010\drawings\sheets\10pp012a021z.ecn3.dgn</p> <table><tr><td>TIME 5:26:09 PM</td><td>REVISED PER FINAL PERMIT</td><td>09/06/06</td><td>RF</td><td>REGION NO.</td><td>STATE</td><td>FED.AID PROJ.NO.</td><td colspan="2" rowspan="4"> I-405 SPRINGBROOK CREEK WETLAND AND HABITAT MITIGATION BANK</td><td rowspan="4">ECN3</td></tr><tr><td>DATE 9/27/2006</td><td>REVISED NOTES</td><td>09/25/06</td><td>RF</td><td>10</td><td>WASH</td><td></td></tr><tr><td>PLOTTED BY chriss</td><td></td><td></td><td></td><td>JOB NUMBER</td><td></td><td></td></tr><tr><td>DESIGNED BY B. PETERSON</td><td></td><td></td><td></td><td>06A805</td><td></td><td></td></tr><tr><td>ENTERED BY C. SAXE</td><td></td><td></td><td></td><td>CONTRACT NO.</td><td></td><td>LOCATION NO.</td><td colspan="2" rowspan="3"> 405 Corridor Program</td><td rowspan="3">SHEET 9 OF 118 SHEETS</td></tr><tr><td>CHECKED BY R. FENTON</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>PROJ. ENGR. R. FENTON</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>REGIONAL ADM. D. DYE</td><td>REVISION</td><td>DATE</td><td>BY</td><td colspan="2"></td><td></td><td colspan="2">ENVIRONMENTAL COMPLIANCE NOTES</td><td></td></tr></table>										TIME 5:26:09 PM	REVISED PER FINAL PERMIT	09/06/06	RF	REGION NO.	STATE	FED.AID PROJ.NO.	 I-405 SPRINGBROOK CREEK WETLAND AND HABITAT MITIGATION BANK		ECN3	DATE 9/27/2006	REVISED NOTES	09/25/06	RF	10	WASH		PLOTTED BY chriss				JOB NUMBER			DESIGNED BY B. PETERSON				06A805			ENTERED BY C. SAXE				CONTRACT NO.		LOCATION NO.	 405 Corridor Program		SHEET 9 OF 118 SHEETS	CHECKED BY R. FENTON							PROJ. ENGR. R. FENTON							REGIONAL ADM. D. DYE	REVISION	DATE	BY				ENVIRONMENTAL COMPLIANCE NOTES		
TIME 5:26:09 PM	REVISED PER FINAL PERMIT	09/06/06	RF	REGION NO.	STATE	FED.AID PROJ.NO.	 I-405 SPRINGBROOK CREEK WETLAND AND HABITAT MITIGATION BANK		ECN3																																																																	
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REGIONAL ADM. D. DYE	REVISION	DATE	BY				ENVIRONMENTAL COMPLIANCE NOTES																																																																			

ENVIRONMENTAL COMPLIANCE NOTES							
SHEET REFERENCE	SITE CODE	NOTE NUMBERS	NOTES	NOTES	NOTES		
NOT USED	NOT USED	NOT USED	Construction Conditions 1. During construction the Contractor shall comply with the current Construction Stormwater General NPDES Permit issued for this project (Permit # WAR-006861A). Per this permit, a Stormwater Pollution Prevention Plan shall be prepared by the Contractor. This Stormwater Pollution Prevention Plan shall be submitted to the Engineer. 2. Before construction begins, a pre-construction meeting shall be held on-site between the project engineer, all necessary construction contractors, and agency representatives including, at a minimum, Ecology and the Corps. During this meeting, site conditions, permit specifications, including Order 3432, and the requirements of the Stormwater Pollution Prevention Plans will be reviewed. 3. Wash water containing oils, grease, or other hazardous materials resulting from wash down of equipment or working areas shall be contained for proper disposal, and shall not be discharged into state waters or storm drains. 4. Machinery and equipment used during construction shall be serviced, fueled, and maintained in uplands in order to prevent contamination to surface waters. All fueling areas shall be provided with adequate spill containment and shall be located a minimum of 50 feet from surface waters of the state. During fueling and servicing of machinery, BMPs shall be in place to contain any spill of petroleum products. 5. Work in or near waters of the state shall be done in a manner that minimizes turbidity, erosion, and other water quality impacts through the use of appropriate and effective BMPs. 6. Construction entrances and tire wash areas shall be constructed and operated to avoid introduction of materials, including sediment, into Springbrook Creek and others waters of the state, including wetlands. 7. No petroleum products, fresh concrete, construction debris, or other toxic or deleterious materials shall be allowed to enter waters of the state. 8. Prior to disturbing uplands or wetlands on the project site, the adjacent wetlands and stream shall be protected from construction impacts. Within the project limits, the Contractor shall mark the limits of the work area in which heavy machinery will be allowed with high visibility construction fence prior to beginning clearing or other construction activities within 200 feet or less of sensitive aquatic areas. Heavy machinery shall enter and operate only within the designated work zones, access corridors, and stockpile areas. 9. No excavated material shall be stored in existing wetlands. Temporary storage of excavated material is allowed in upland areas that will be excavated for the purposes of re-establishing wetland. All excavated material that is in excess of what shall be used on-site shall be removed from the project site. 10. All construction debris and overburden material shall be properly disposed of on land, outside of sensitive areas and their buffers, so that it cannot enter a waterway or cause water quality degradation to state waters. 11. During clearing and grading at the project site, the Contractor shall take all necessary measures to minimize the alteration or disturbance of existing wetland and upland vegetation. 12. The Contractor shall obtain the NPDES permit for Aquatic Noxious and Nuisance Weed Control for herbicide spraying. The Contractor shall comply with the most current applicable NPDES permit for herbicide spraying. Measures including but not limited to selection of appropriate application methods and timing, shall be used to minimize introduction of herbicides to Springbrook Creek. Application of herbicides shall occur only in dry weather.	13. Adequate containment shall be used for any mechanical equipment on a structure over water, such as a temporary work bridge or platform, in order to prevent any spills and/or discharges of contaminants to waters of the state. 14. Measures shall be used to minimize disturbance of vegetation when constructing the trail. Emergency/Contingency Measures 1. The Contractor shall develop a spill prevention, control, and countermeasure plan for all aspects of this project. This plan shall be submitted to the Engineer prior to the initiation of construction. 2. The facility shall have adequate and appropriate spill response materials on hand to respond to an emergency release of petroleum products or any other material into waters of the state. 3. Fuel hoses, oil drums, oil or fuel transfer valves and fittings, etc., shall be checked regularly for drips or leaks, and shall be maintained and stored properly to prevent spills into waters of the state. 4. Any work that is out of compliance with the provisions of the 401 Water Quality Certification Conditions, or conditions causing distressed or dying fish, or any discharge of oil, fuel, or chemicals into state waters, or onto land with a potential for entry into state waters, is prohibited. If these occur, the Contractor shall immediately take the following actions: a. Cease operations at the location of the violation. b. Assess the cause of the water quality problem and take appropriate measures to correct the problem and/or prevent further environmental damage. c. In the event of a discharge of oil, fuel, or chemicals into state waters, or onto land with a potential for entry into state waters, containment and cleanup efforts shall begin immediately and be completed as soon as possible, taking precedence over normal work. Cleanup shall include the proper disposal of any spilled material and used cleanup materials. d. The Contractor shall immediately notify the Engineer of the failure to comply. e. The Contractor shall submit a detailed written report to the Engineer within three (3) days that describe the nature of the event, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of any samples taken, and any other pertinent information. This is to allow the Engineer to submit a detailed report to Ecology within five (5) days.	5. In the event of finding distressed or dying fish, the Contractor shall collect fish specimens and water samples in the affected area within the first hour of the event and submit results to the Engineer, who will notify Ecology. These samples shall be held in refrigeration or on ice until the Engineer receives further instructions from Ecology. Ecology may require analysis of these samples before allowing the work to resume.		
GENERAL NOTES: The information on the ECN sheets are derived from the regulatory approval. The Contractor shall abide by the approvals to be in compliance with the legal regulations. The Contractor shall contact the Engineer and the Engineer will contact the resource agency regarding approval issues unless otherwise directed by the Engineer. See ECN sheets for regulatory compliance for all work. *Permit/Approval Reference Regulatory Agencies and Permit WSDOE - WASH. STATE DEPT. OF ECOLOGY -IMPLEMENTING AGREEMENT between WSDOE & WSDOT Regarding Compliance with the state of Washington Surface Water Quality Standards, February, 1998. USCOE - US ARMY CORPS OF ENGINEERS Section 404 Permit Regarding placement of fill in wetlands, August 2006 WSDOE - WASH. STATE DEPT. OF ECOLOGY Water Quality Certification (Section 401) Regarding protection of wetlands, August 2006 WSDOE - WASH. STATE DEPT. OF ECOLOGY NPDES (Section 402) Regarding discharge stormwater associated with construction activities, May 2006 WDFW - WASHINGTON DEPARTMENT OF FISH AND WILDLIFE Hydraulic Project Approval (HPA) Regarding construction activity in or near open water, June 2006 KCDD - KING COUNTY DRAINAGE DISTRICT #1 Permit and Temporary Construction Easement Regarding construction activities on property owned by KCDD, June 2006							
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DATE 9/27/2006	REVISED NOTES	09/25/06 RF	10	WASH			
PLOTTED BY chriss			JOB NUMBER				
DESIGNED BY B. PETERSON			06A805				
ENTERED BY C. SAXE			CONTRACT NO.		LOCATION NO.		
CHECKED BY R. FENTON							
PROJ. ENGR. R. FENTON							
REGIONAL ADM. D. DYE	REVISION	DATE	BY				
				DATE	P.E. STAMP BOX	DATE	P.E. STAMP BOX
						INTERSTATE 405 Corridor Program Washington State Department of Transportation	
						I-405 SPRINGBROOK CREEK WETLAND AND HABITAT MITIGATION BANK	
						ECN4	
						SHEET 9A OF 118 SHEETS	
ENVIRONMENTAL COMPLIANCE NOTES							

QUANTITY TABULATION - SITE PREPARATION AND TESC

THE FIRST NUMBER OF "CODE DESIGNATION" REFERS TO THE SHEET NUMBER OF THE CONTRACT PLANS. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THE PARTICULAR SHEET		CLEARING AND GRUBBING	REED CANARYGRASS REMOVAL	BLACKBERRY REMOVAL	SELECTIVE BLACKBERRY REMOVAL	REMOVING CEMENT CONC. SIDEWALK		REMOVING CEMENT CONC. CURB AND GUTTER	PERMANENT EROSION CONTROL BLANKET	MODIFIED STABILIZED CONSTRUCTION ENTRANCE	TIRE WASH	INLET PROTECTION		SILT FENCE	COMPOST BERM	TEMPORARY SEEDING	REMOVAL AND REINSTALLATION OF CHAIN LINK FENCE	CONSTRUCTION GEOTEXTILE FOR SEPARATION		HIGH VISIBILITY CONSTRUCTION FENCING								EXISTING TREES AVAILABLE* FOR HABITAT STRUCTURES	GENERAL NOTES:
CODE DESIGNATION	LOCATION /UNIT OF MEASURE	ACRE	ACRE	ACRE	ACRE	S.Y.		L.F.	S.Y.	S.Y.	EACH	EACH		L.F.	L.F.	ACRE	L.F.	S.Y.		L.F.							EACH		
SP1	UNIT A	0.1	3.7	0.4	0.5				300	500	1	10		560	1,040					5,540									* QUANTITIES ARE INFORMATIONAL ONLY. TREES TO BE OBTAINED THROUGH CLEARING AND GRUBBING.
SP1	UNIT B	0.1	1.3		0.2				360	500	1	2		600	350					1,940									
SP2	UNIT A	0.1	6.2	0.4					520					660	1,060					6,760									
SP2	UNIT B	0.2	1.0						800					790	750					2,000									
SP3	UNIT B		3.1		0.6							14			1,050					7,350									
SP4	UNIT B		0.3		0.7							2			200					4,260									
SP5	UNIT C	1.4		1.6	9.6										2,620					2,790							13		
SP6	UNIT C	4.3	4.1	1.2	8.4	50		75		500	1	2			3,930		75			4,670							18		
SP7	UNIT C	3.1	2.4	0.5											1,290					2,160							14		
SP8	UNIT C	5.0		0.3	1.3							1			1,030		20			3,440							3		
SP9	UNIT D	0.1			0.1										360					750									
SP10	UNIT D	0.1								220	1	4			900					1,230									
SP11	UNIT E	11.3	0.4	0.2	1.3				2,030	500	1	1		1900	710	2.6	750	830		4,150							20		
SP12	UNIT E	1.3	0.2	0.4	0.1				280			2		870		0.5	350	350		1,810							3		
SUBTOTAL (W/OUT TRAIL)		27.1	22.7	5.0	22.8	50		75	4,290	2,220	5	38		5,380	15,290	3.1	1,195	1,180		48,850							74		
SP13	UNIT A - TRAIL	0.2				10		37							910					170									
SP14	UNIT A - TRAIL	0.3													1,120					600									
PROJECT TOTAL		27.6	22.7	5.0	22.8	60		112	4,290	2,220	5	38		5,380	17,320	3.1	1,195	1,180		49,620							74		

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DATE 9/27/2006
PLOTTED BY chriss
DESIGNED BY B. PETERSON
ENTERED BY A. DEGUZMAN
CHECKED BY R. FENTON
PROJ. ENGR. R. FENTON
REGIONAL ADM. D. DYE

ADDED REMOVAL QUANTITIES
09/25/06
RE
REGION NO. 10
STATE WASH
JOB NUMBER 06A805
CONTRACT NO.
LOCATION NO.

FED.AID PROJ.NO.

P.E. STAMP BOX
DATE

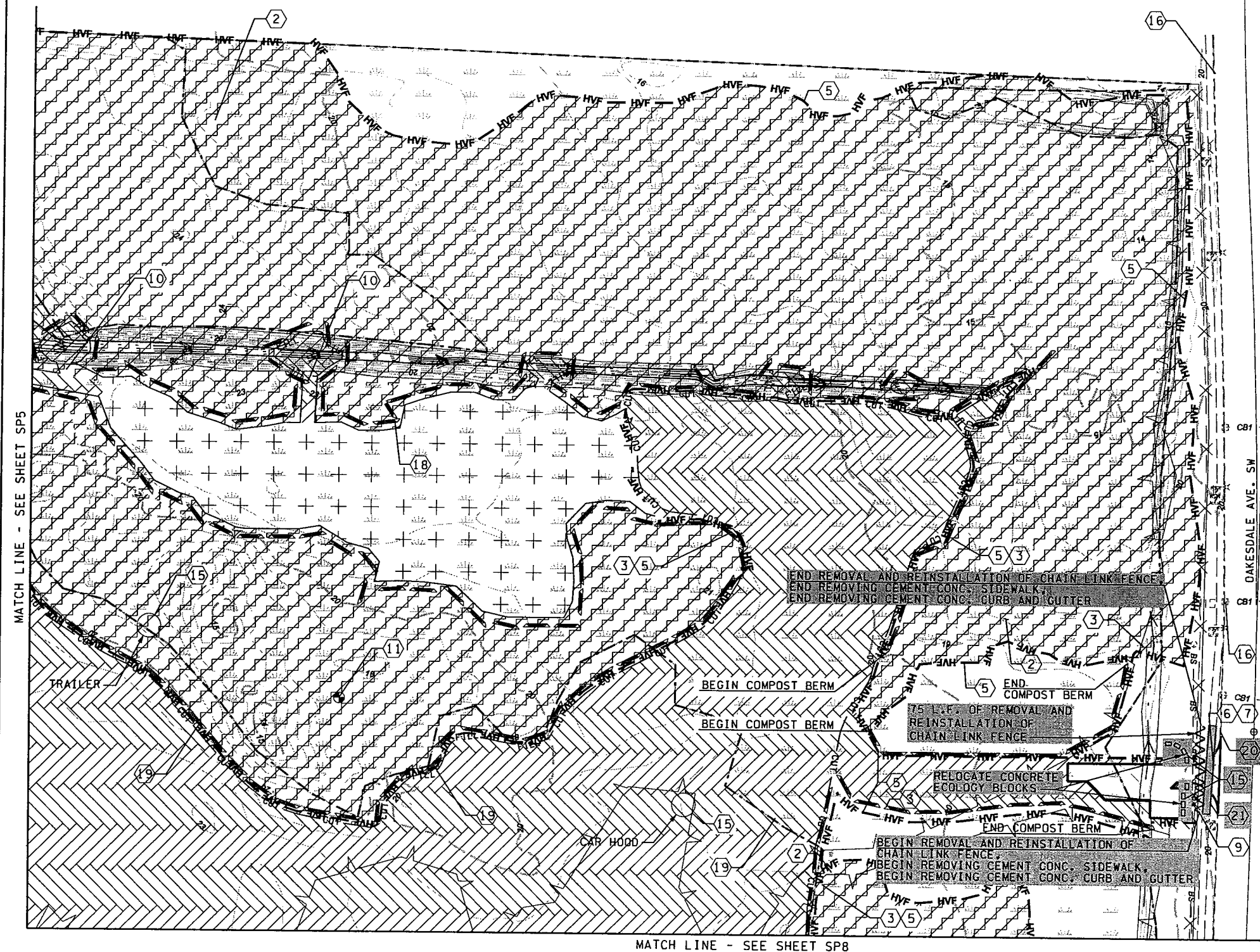
P.E. STAMP BOX
DATE

Washington State Department of Transportation

I-405
SPRINGBROOK CREEK WETLAND AND
HABITAT MITIGATION BANK
QUANTITY TABULATION-SITE PREPARATION AND TESC

SP01
SHEET 22 OF 118 SHEETS

T.23N. R.4E. W.M.

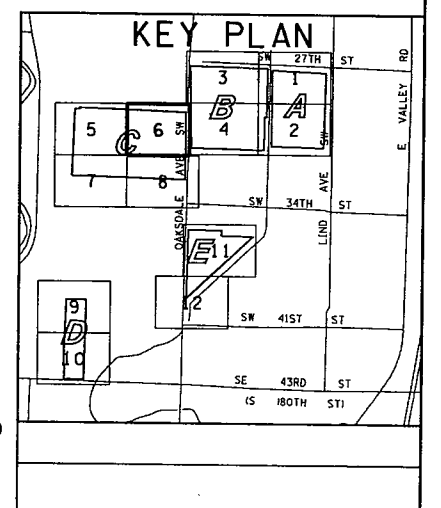


CONSTRUCTION NOTES:

- 2 BLACKBERRY REMOVAL AREAS. SEE SPECIAL PROVISIONS, ROADSIDE RESTORATION SECTION.
- 3 COMPOST BERM PER WSDOT STD PLAN I-14.
- 5 HIGH VISIBILITY CONSTRUCTION FENCING PER WSDOT STD PLAN I-15.
- 6 MODIFIED STABILIZED CONSTRUCTION ENTRANCE AND TIRE WASH, SEE DETAIL 1 ON SHEET WPD1.
- 7 AREA DISTURBED BY INSTALLATION OF TIRE WASH AND/OR CONSTRUCTION ENTRANCE SHALL BE RESTORED TO EXISTING GRADE AND REPLANTED PER PLANTING PLAN.
- 9 REMOVE AND REINSTALL CHAIN LINK FENCE.
- 10 CONSTRUCTION ACCESS ROUTES SHALL BE A MAXIMUM OF 12 FEET WIDE. ACCESS TO ISOLATED CONSTRUCTION AREAS SHALL BE LIMITED TO DELINEATED AREAS OR ENGINEER APPROVED ALTERNATIVE.
- 11 EXISTING PIEZOMETER TO BE PROTECTED.
- 15 REMOVE STRUCTURE AND OBSTRUCTION, SEE SPECIAL PROVISION FOR "REMOVAL OF STRUCTURE AND OBSTRUCTION".
- 16 INLET PROTECTION PER WSDOT STD PLAN I-7.
- 18 COMPOST BERM TO BE FLAGGED BY ENGINEER.
- 19 CLEARING AND GRUBBING AREAS OUTSIDE EXISTING WETLANDS MAY BE USED FOR CONSTRUCTION STAGING WITHIN THE LIMITS INDICATED ON THE PLANS.
- 20 REMOVING CEMENT CONC. CURB AND GUTTER - 75 L.F.
- 21 REMOVING CEMENT CONC. SIDEWALK - 50 S.Y.

GENERAL NOTES:

1. SEE SHEET L1 FOR LEGEND.
2. SEE SHEET SP1 FOR ADDITIONAL NOTES.



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DATE 9/27/2006

PLOTTED BY chriss

DESIGNED BY B. PETERSON

ENTERED BY A. DEGUZMAN

CHECKED BY R. FENTON

PROJ. ENGR. R. FENTON

REGIONAL ADM. D. DYE

ADDED REMOVALS AND ECLOGY BLOCKS

09/25/06

RF

REGION NO.

10

STATE

WASH

FED.AID PROJ.NO.

JOB NUMBER

06A805

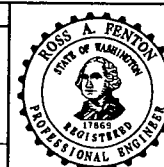
CONTRACT NO.

LOCATION NO.

REVISION

DATE

BY



EXPIRES 06/26/07

DATE

P.E. STAMP BOX

INTERSTATE
405 Corridor Program



I-405
**SPRINGBROOK CREEK WETLAND AND
HABITAT MITIGATION BANK**

SITE PREP. AND TESC PLAN

SP6

SHEET

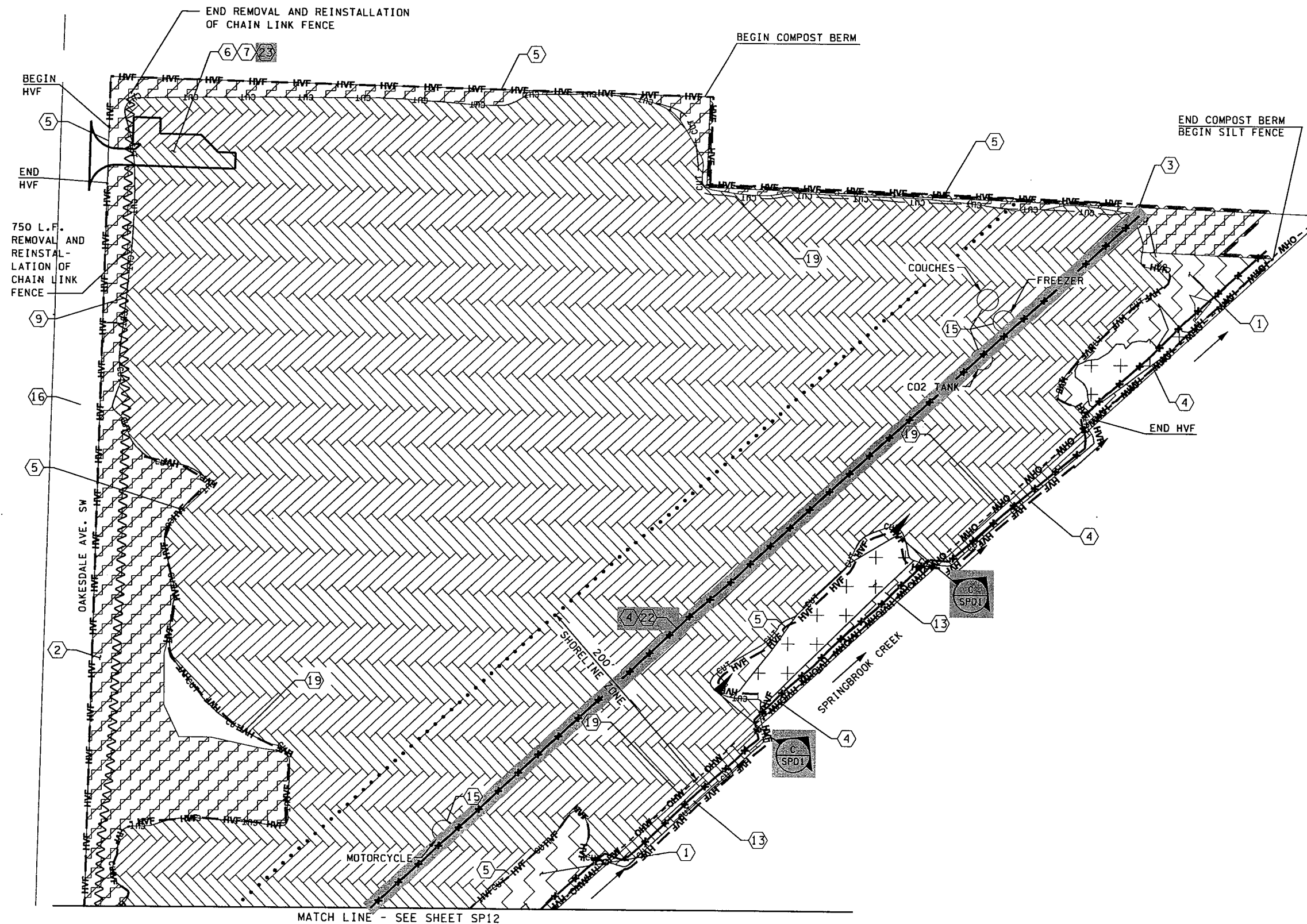
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OF

118

SHEETS

T.23N. R.4E. W.M.



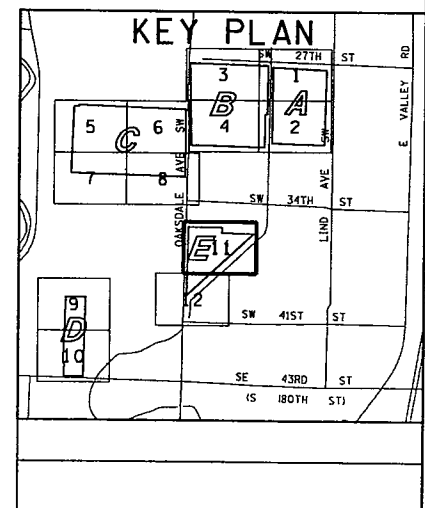
CONSTRUCTION NOTES:

- ① REED CANARY GRASS REMOVAL AREAS. SEE SPECIAL PROVISIONS, ROADSIDE RESTORATION SECTION.
- ② BLACKBERRY REMOVAL AREAS. SEE SPECIAL PROVISIONS, ROADSIDE RESTORATION SECTION.
- ③ COMPOST BERM PER WSDOT STD PLAN I-14.
- ④ SILT FENCE PER WSDOT STD PLAN I-4.
- ⑤ HIGH VISIBILITY CONSTRUCTION FENCING PER WSDOT STD PLAN I-15.
- ⑥ MODIFIED STABILIZED CONSTRUCTION ENTRANCE AND TIRE WASH, SEE DETAIL 1 ON SHEET WPD1.
- ⑦ AREA DISTURBED BY INSTALLATION OF TIRE WASH AND/OR CONSTRUCTION ENTRANCE SHALL BE RESTORED TO EXISTING GRADE AND REPLANTED PER PLANTING PLAN.
- ⑨ REMOVE AND REINSTALL CHAIN LINK FENCE.
- ⑬ FOR WORK WITHIN OHW SEE REQUIREMENTS OF PERMITS IN ENVIRONMENTAL COMPLIANCE NOTES.
- ⑮ REMOVE STRUCTURE AND OBSTRUCTION, SEE SPECIAL PROVISION FOR "REMOVAL OF STRUCTURE AND OBSTRUCTION".
- ⑯ INLET PROTECTION PER WSDOT STD PLAN I-7.
- ⑰ CLEARING AND GRUBBING AREAS OUTSIDE EXISTING WETLANDS MAY BE USED FOR CONSTRUCTION STAGING WITHIN THE LIMITS INDICATED ON THE PLANS.

- ⑳ SILT FENCE FOR UNIT E SECOND ORDER OF WORK (BREACHING THE EXISTING BERM).
- ㉑ LOCATION OF CONSTRUCTION ENTRANCE MAY BE ADJUSTED WITH ENGINEERS APPROVAL, IF ALTERNATIVE LOCATION IS PROPOSED BY CONTRACTOR TO IMPROVE ACCESS FOR UNIT E SECOND ORDER OF WORK.

GENERAL NOTES:

1. SEE SHEET L1 FOR LEGEND.
2. SEE SHEET SP1 FOR ADDITIONAL NOTES.



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DATE 9/27/2006

PLOTTED BY chriss

DESIGNED BY B. PETERSON

ENTERED BY A. DEGUZMAN

CHECKED BY R. FENTON

PROJ. ENGR. R. FENTON

REGIONAL ADM. D. DYE

ADDED SECTION C AND SILT FENCE

09/25/06

RF

REGION NO.

10

STATE

WASH

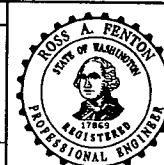
JOB NUMBER

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CONTRACT NO.

FED.AID PROJ.NO.

LOCATION NO.



DATE

P.E. STAMP BOX



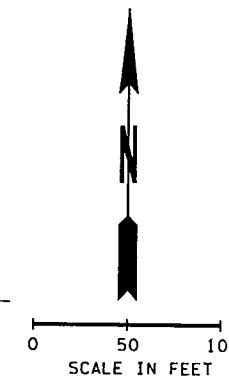
I-405
SPRINGBROOK CREEK WETLAND AND
HABITAT MITIGATION BANK

SITE PREP. AND TESC PLAN

SP11

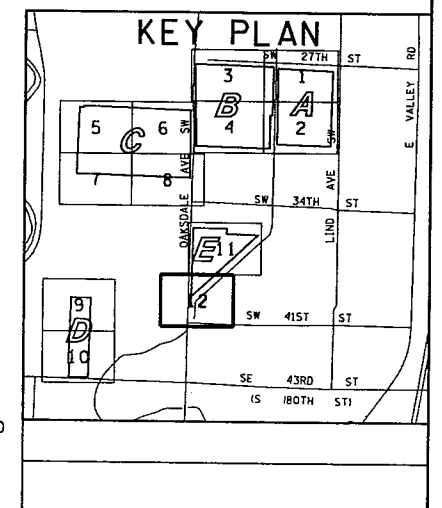
SHEET
33
OF
118
SHEETS



MATCH LINE - SEE SHEET SP11

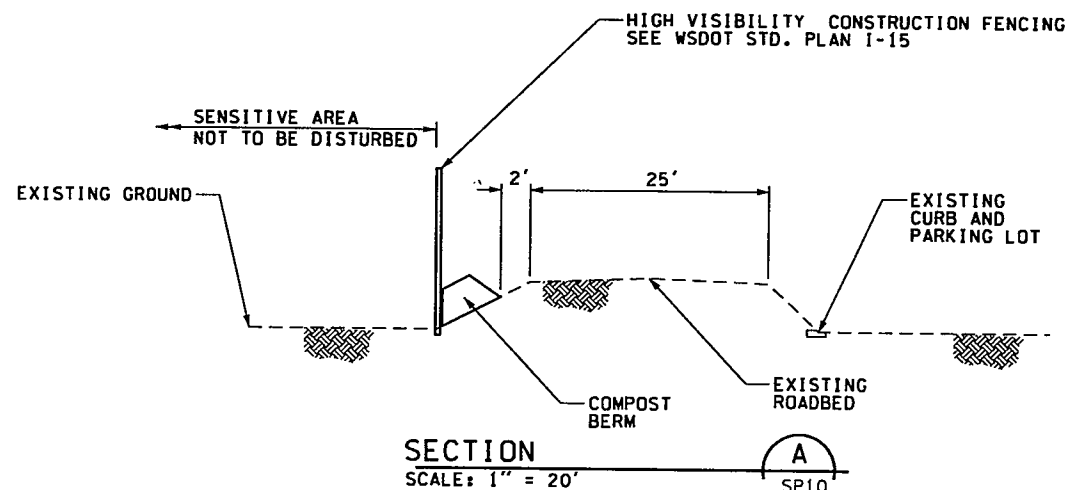
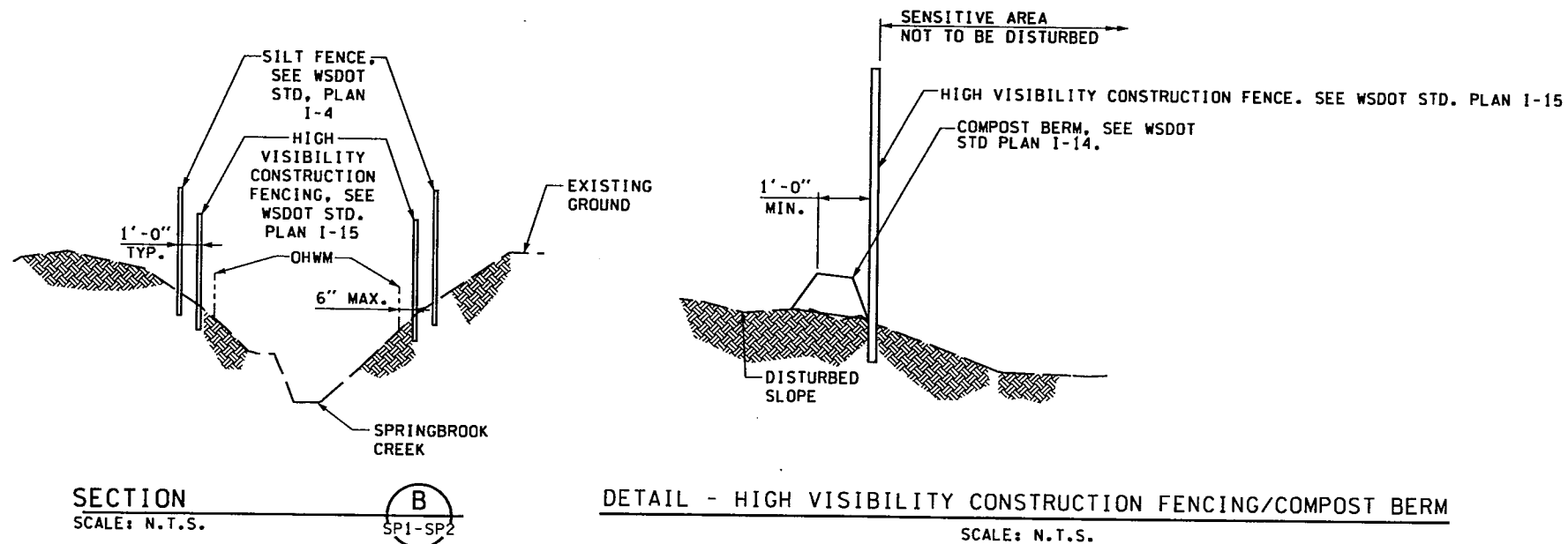


- ① REED CANARY GRASS REMOVAL AREAS. SEE SPECIAL PROVISIONS, ROADSIDE RESTORATION SECTION.
- ② BLACKBERRY REMOVAL AREAS. SEE SPECIAL PROVISIONS, ROADSIDE RESTORATION SECTION.
- ④ SILT FENCE PER WSDOT STD PLAN I-4.
- ⑤ HIGH VISIBILITY CONSTRUCTION FENCING PER WSDOT STD PLAN I-15.
- ⑨ REMOVE AND REINSTALL CHAIN LINK FENCE.
- ⑬ FOR WORK WITHIN OHW SEE REQUIREMENTS OF PERMITS IN ENVIRONMENTAL COMPLIANCE NOTES.
- ⑯ INLET PROTECTION PER WSDOT STD PLAN I-7.
- ⑰ CLEARING AND GRUBBING AREAS OUTSIDE EXISTING WETLANDS MAY BE USED FOR CONSTRUCTION STAGING WITHIN THE LIMITS INDICATED ON THE PLANS.
- ⑳ SILT FENCE FOR UNIT E SECOND ORDER OF WORK (BREACHING THE EXISTING BERM).

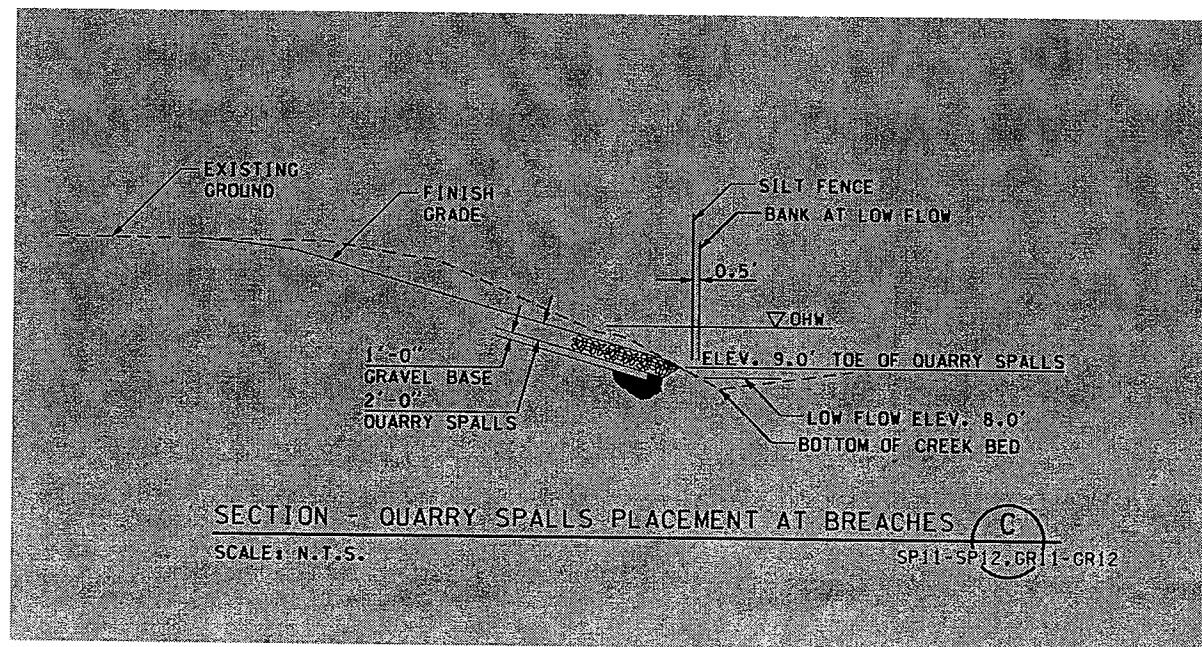
1. SEE SHEET L1 FOR LEGEND.
2. SEE SHEET SP1 FOR ADDITIONAL NOTES.



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DATE 9/27/2006								10		WASH											
PLOTTED BY chriss																					
DESIGNED BY B. PETERSON																					
ENTERED BY A. DEGUZMAN																					
CHECKED BY R. FENTON																					
PROJ. ENGR. R. FENTON																					
REGIONAL ADM. D. DYE																		SHEET 34 OF 118 SHEETS			
		REVISION		DATE		BY												SITE PREP. AND TESC PLAN			



NOTE: ALL WORK SHALL BE WITHIN THE LIMITS OF THE EXISTING ROADBED.



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TIME 5:42:28 PM

DATE 9/27/2006

PLOTTED BY chriss

DESIGNED BY B. PETERSON

ENTERED BY C. ODAM

CHECKED BY R. FENTON

PROJ. ENGR. R. FENTON

REGIONAL ADM. D. DYE

ADDED DETAIL - QUARRY SPALLS

09/25/06

RF

REGION NO.

STATE

FED.AID PROJ.NO.

10

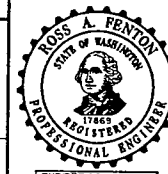
WASH

JOB NUMBER

06A805

CONTRACT NO.

LOCATION NO.



DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX



Washington State
Department of Transportation

I-405

SPRINGBROOK CREEK WETLAND AND
HABITAT MITIGATION BANK

SITE PREP. DETAILS

SPD1

SHEET
37
OF
118
SHEETS

QUANTITY TABULATION - GRADING

[illegible][illegible]

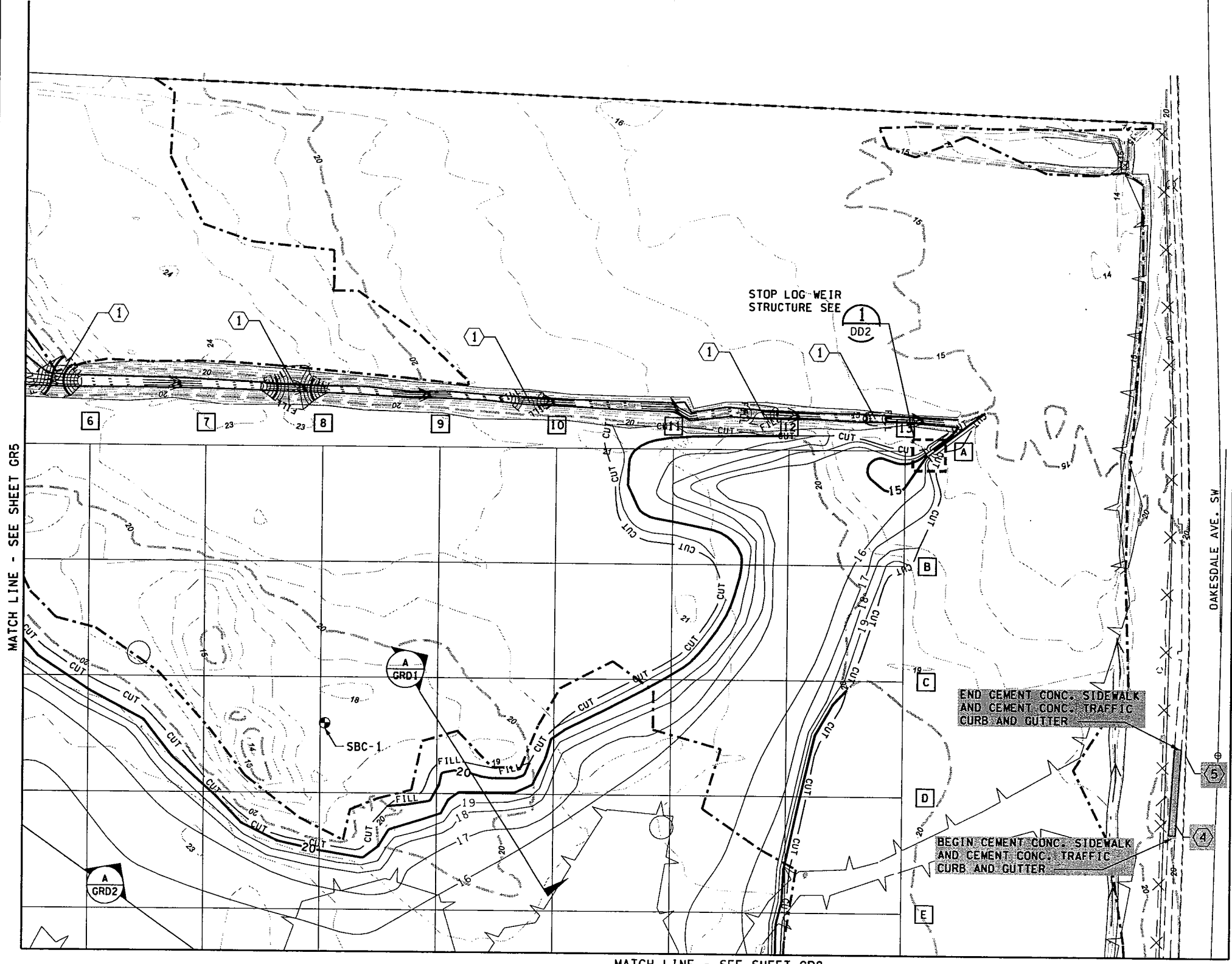
T.23N. R.4E. W.M.

GENERAL NOTES:

1. SEE SHEET L1 FOR LEGEND.
2. THE BOTTOM OF UNITS C & E WETLAND EXCAVATION AREAS MAY REQUIRE ADDITIONAL GRADING AS DIRECTED BY THE ENGINEER AND PER THE SPECIAL PROVISIONS SECTION ON ROADWAY EXCAVATION AND EMBANKMENT.
3. SEE SPECIAL PROVISIONS FOR ORDER OF WORK, PROSECUTION OF WORK SECTION.
4. SEE GEOTECHNICAL BASELINE REPORTS IN CONTRACT PROVISIONS FOR GROUNDWATER RECORDED DURING GEOTECHNICAL INVESTIGATION.
5. NO SLOPES SHALL BE STEEPER THAN 3:1 (H:V).

CONSTRUCTION NOTES:

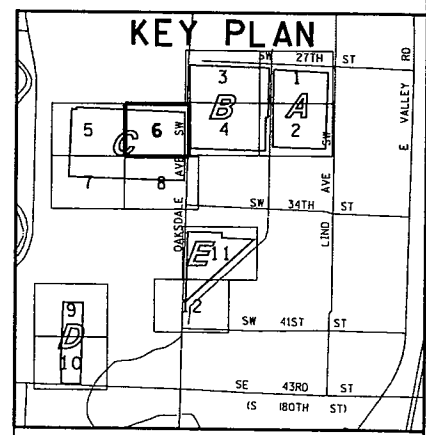
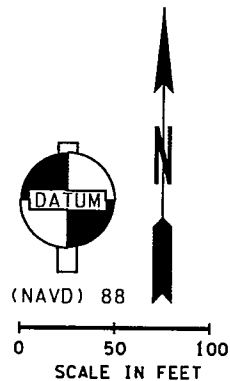
- ① CONTRACT EARTHEN DAM. SEE DETAIL 4 ON SHEET GRD1.
- ④ CEMENT CONC. SIDEWALK - 50 S.Y.
- ⑤ CEMENT CONC. TRAFFIC CURB AND GUTTER - 75 L.F.
- ④ GRADING GRID, SEE SHEET GRN1 FOR POINT COORDINATES
- △E101 COORDINATE FEATURE, SEE SHEET GRN1



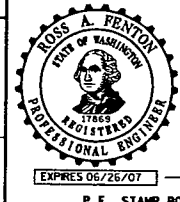
MATCH LINE - SEE SHEET GR4

MATCH LINE - SEE SHEET GR5

MATCH LINE - SEE SHEET GR8



FILE NAME PW:\Engineering\010\drawings\sheets\10pp012a021d_gr06.dgn			
TIME 5:31:09 PM	ADDED SIDEWALK AND CURB AND GUTTER	09/25/06	RF
DATE 9/27/2006			
PLOTTED BY chris			
DESIGNED BY B. PETERSON			
ENTERED BY A. DEGUZMAN			
CHECKED BY R. FENTON			
PROJ. ENGR. R. FENTON			
REGIONAL ADM. D. DYE			
REVISION		DATE	BY



I-405
SPRINGBROOK CREEK WETLAND AND
HABITAT MITIGATION BANK

GRADING PLAN

GR6
SHEET
57
OF
118
SHEETS

T.23N. R.4E. W.M.

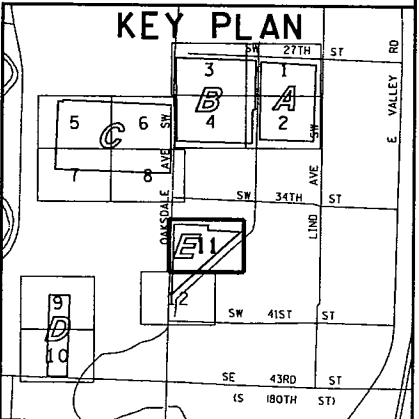
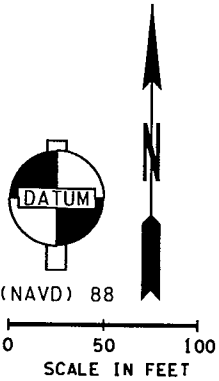
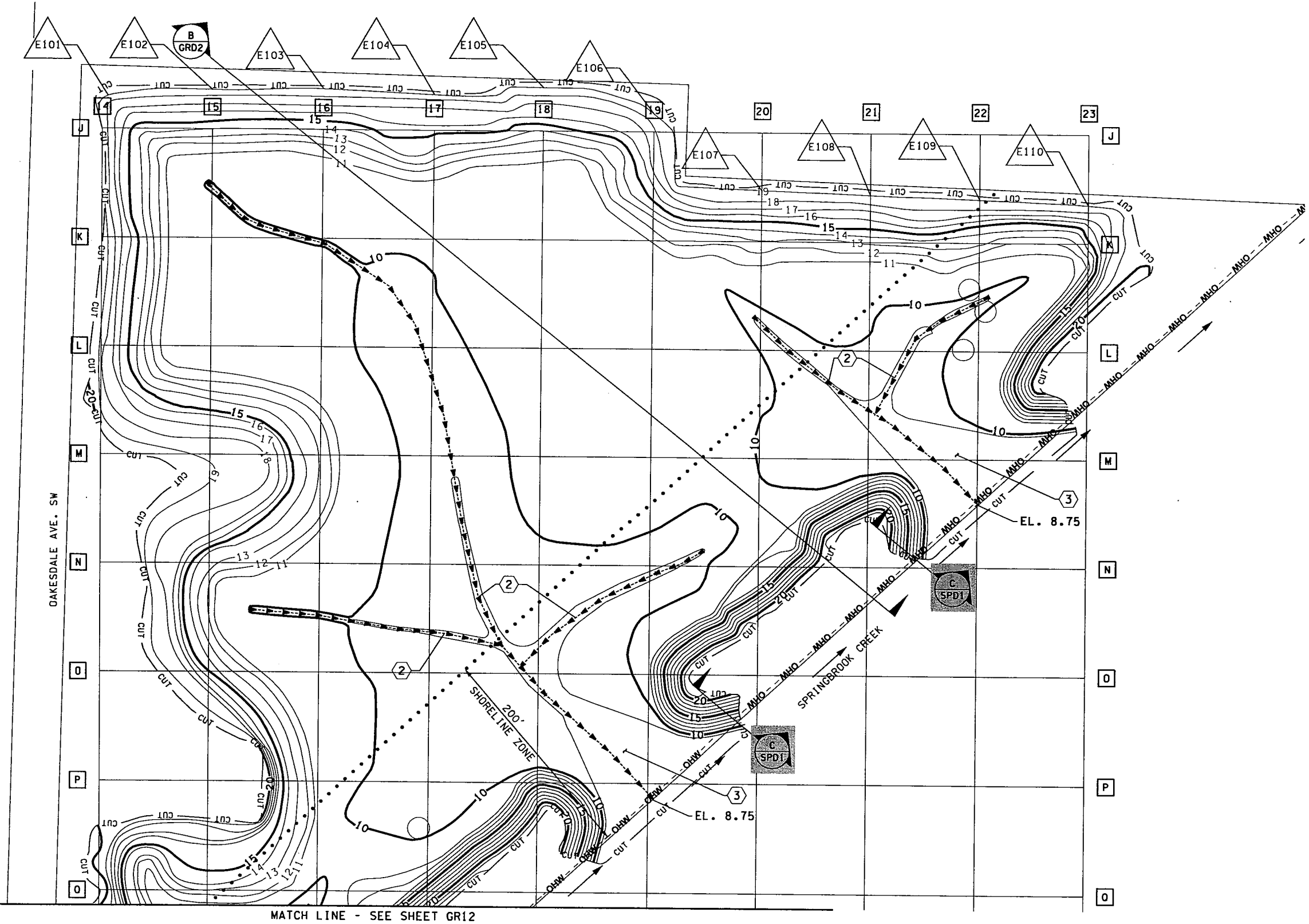
GENERAL NOTES:

1. SEE SHEET L1 FOR LEGEND.
2. THE BOTTOM OF UNITS C & E WETLAND EXCAVATION AREAS MAY REQUIRE ADDITIONAL GRADING AS DIRECTED BY THE ENGINEER AND PER THE SPECIAL PROVISIONS SECTION ON ROADWAY EXCAVATION AND EMBANKMENT.
3. SEE SPECIAL PROVISIONS FOR ORDER OF WORK, PROSECUTION OF WORK SECTION.
4. SEE GEOTECHNICAL BASELINE REPORTS IN CONTRACT PROVISIONS FOR GROUNDWATER RECORDED DURING GEOTECHNICAL INVESTIGATION.
5. NO SLOPES SHALL BE STEEPER THAN 3:1 (H:V).

CONSTRUCTION NOTES:

2. CONSTRUCT LOW FLOW CHANNEL, MINIMUM SLOPE 0.3%, SEE DETAIL 3 ON SHEET GRD1.
3. CONSTRUCT BREACH IN EXISTING BERM TO SPRINGBROOK CREEK. SEE DETAILS 1 & 5 ON SHEET GRD1 FOR QUARRY SPALL PLACEMENT.

- 4 GRADING GRID, SEE SHEET GRN1 FOR POINT COORDINATES
- E101 COORDINATE FEATURE, SEE SHEET GRN1



FILE NAME PW:\Engineering\010\drawings\sheets\10pp012a021d.gr11.dgn		TIME 5:31:23 PM		DATE 9/27/2006		PLOTTED BY chriss		DESIGNED BY B. PETERSON		ENTERED BY A. DEGUZMAN		CHECKED BY R. FENTON		PROJ. ENGR. R. FENTON		REGIONAL ADM. D. DYE	
ADDED SECTION C		09/25/06		RF		REGION NO. 10		STATE WASH		FED.AID PROJ.NO.		JOB NUMBER 06A805		CONTRACT NO.		LOCATION NO.	
REVISION		DATE		BY		P.E. STAMP BOX		DATE		P.E. STAMP BOX		DATE		P.E. STAMP BOX		DATE	

ROSS A. FENTON
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06/26/07

INTERSTATE
405 Corridor Program
Washington State Department of Transportation

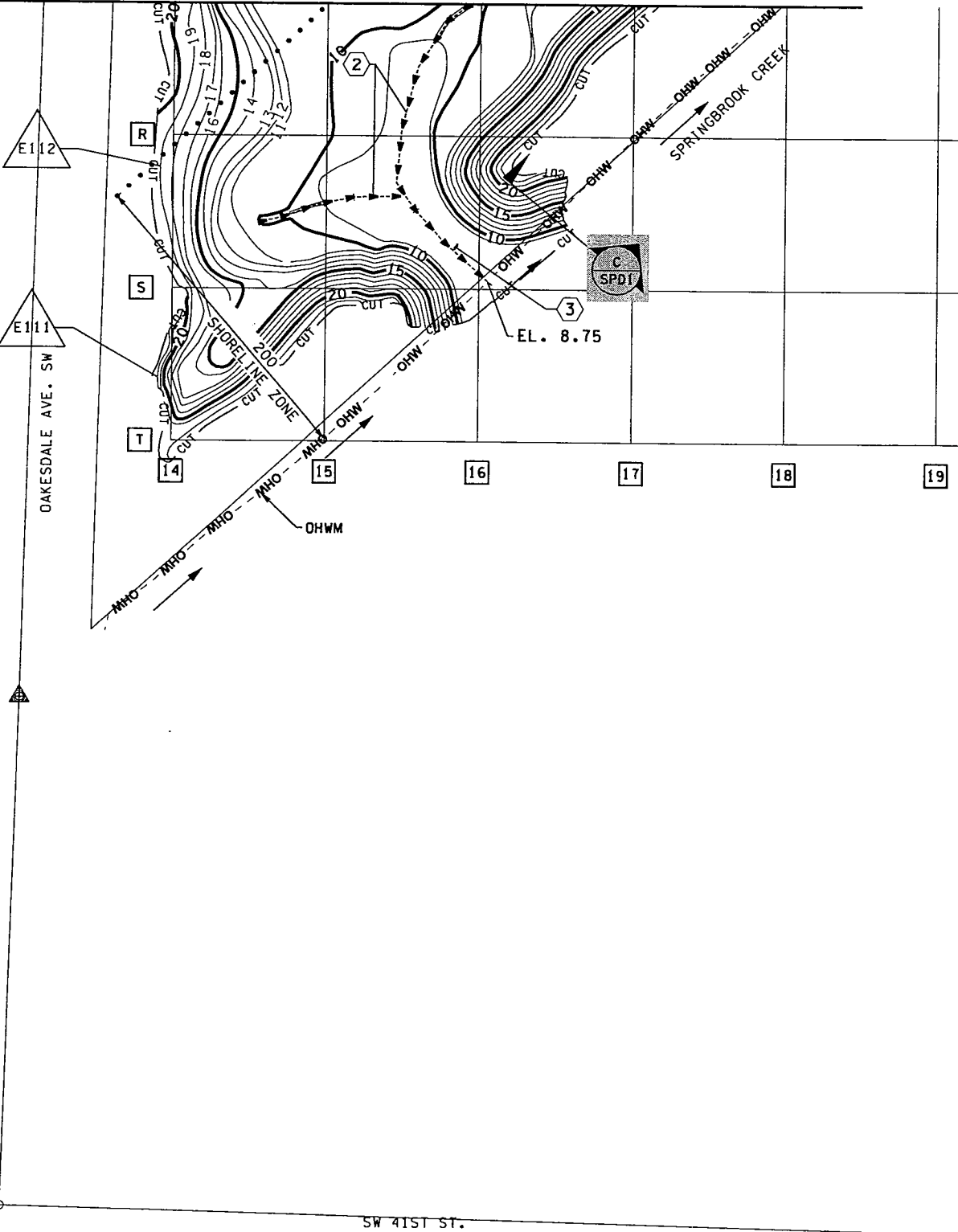
I-405
SPRINGBROOK CREEK WETLAND AND
HABITAT MITIGATION BANK
GR11

GRADING PLAN

SHEET 62 OF 118 SHEETS

T.23N. R.4E. W.M.

MATCH LINE - SEE SHEET GR11



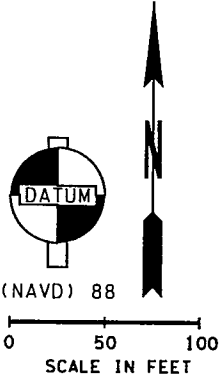
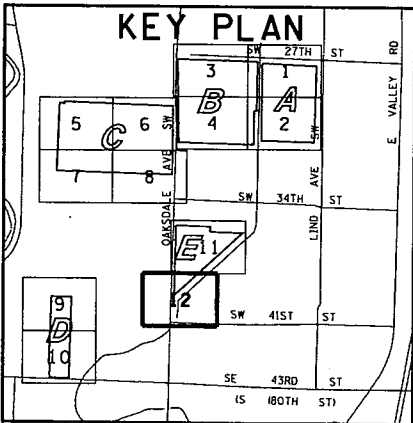
GENERAL NOTES:

1. SEE SHEET L1 FOR LEGEND.
2. THE BOTTOM OF UNITS C & E WETLAND EXCAVATION AREAS MAY REQUIRE ADDITIONAL GRADING AS DIRECTED BY THE ENGINEER AND PER THE SPECIAL PROVISIONS SECTION ON ROADWAY EXCAVATION AND EMBANKMENT.
3. SEE SPECIAL PROVISIONS FOR ORDER OF WORK, PROSECUTION OF WORK SECTION.
4. SEE GEOTECHNICAL BASELINE REPORTS IN CONTRACT PROVISIONS FOR GROUNDWATER RECORDED DURING GEOTECHNICAL INVESTIGATION.
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CONSTRUCTION NOTES:

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3. CONSTRUCT BREACH IN EXISTING BERM TO SPRINGBROOK CREEK. SEE DETAILS 1 & 5 ON SHEET GRD1 FOR QUARRY SPALL PLACEMENT.

4. GRADING GRID, SEE SHEET GRN1 FOR POINT COORDINATES
- E101 COORDINATE FEATURE, SEE SHEET GRN1



FILE NAME PW:\Engineering\010\drawings\sheets\10pp012a021d.gr12.dgn				TIME 5:31:36 PM		DATE 9/27/2006		PLOTTED BY chriss		DESIGNED BY B. PETERSON		ENTERED BY A. DEGUZMAN		CHECKED BY R. FENTON		PROJ. ENGR. R. FENTON		REGIONAL ADM. D. DYE	
ADDED SECTION C				09/25/06		RF		REGION NO. 10		STATE WASH		JOB NUMBER 06A805		CONTRACT NO.		LOCATION NO.		REVISION	
DATE				BY		DATE		P.E. STAMP BOX		DATE		P.E. STAMP BOX		DATE		P.E. STAMP BOX		DATE	
FED.AID PROJ.NO.				EXPRES 06/26/07		DATE		P.E. STAMP BOX		DATE		P.E. STAMP BOX		DATE		P.E. STAMP BOX		DATE	
I-405				SPRINGBROOK CREEK WETLAND AND		HABITAT MITIGATION BANK		GR12		SHEET 63 OF 118 SHEETS		GRADING PLAN		DATE		P.E. STAMP BOX		DATE	

QUANTITY TABULATION - TRAIL

THE FIRST NUMBER OF "CODE DESIGNATION" REFERS TO THE SHEET NUMBER OF THE CONTRACT PLANS. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THE PARTICULAR SHEET		CRUSHED SURFACING BASE COURSE	CEMENT CONC. TRAFFIC CURB AND GUTTER	CEMENT CONC. PEDESTRIAN CURB	PLASTIC CROSSWALK LINE	STRUCTURE EXCAVATION CLASS B INCL. HAUL		GRAVEL BACKFILL FOR FOUNDATION CLASS A	CEMENT CONC. SIDEWALK	CEMENT CONC. SIDEWALK RAMP TYPE 1B	CEMENT CONC. SIDEWALK RAMP TYPE 2B	GRAVITY BLOCK WALL		BENCH INSTALLATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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